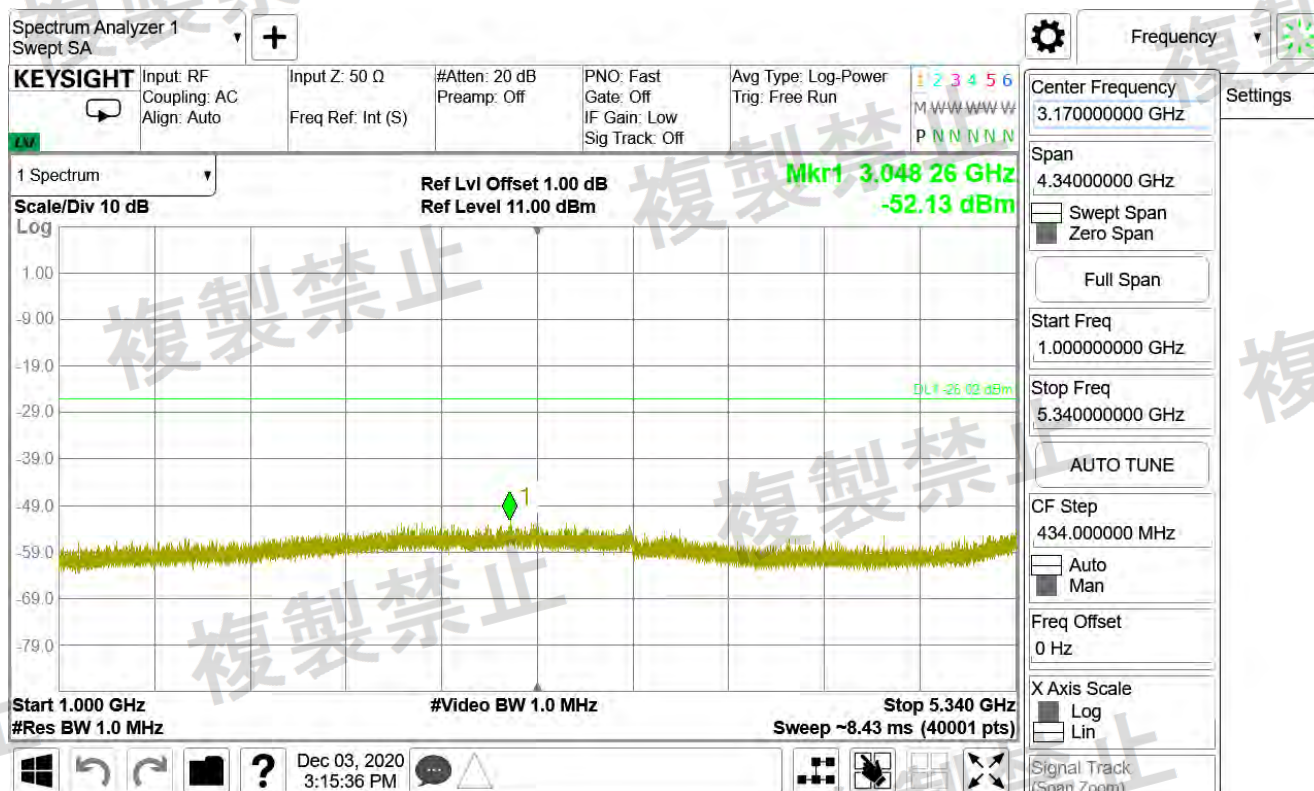
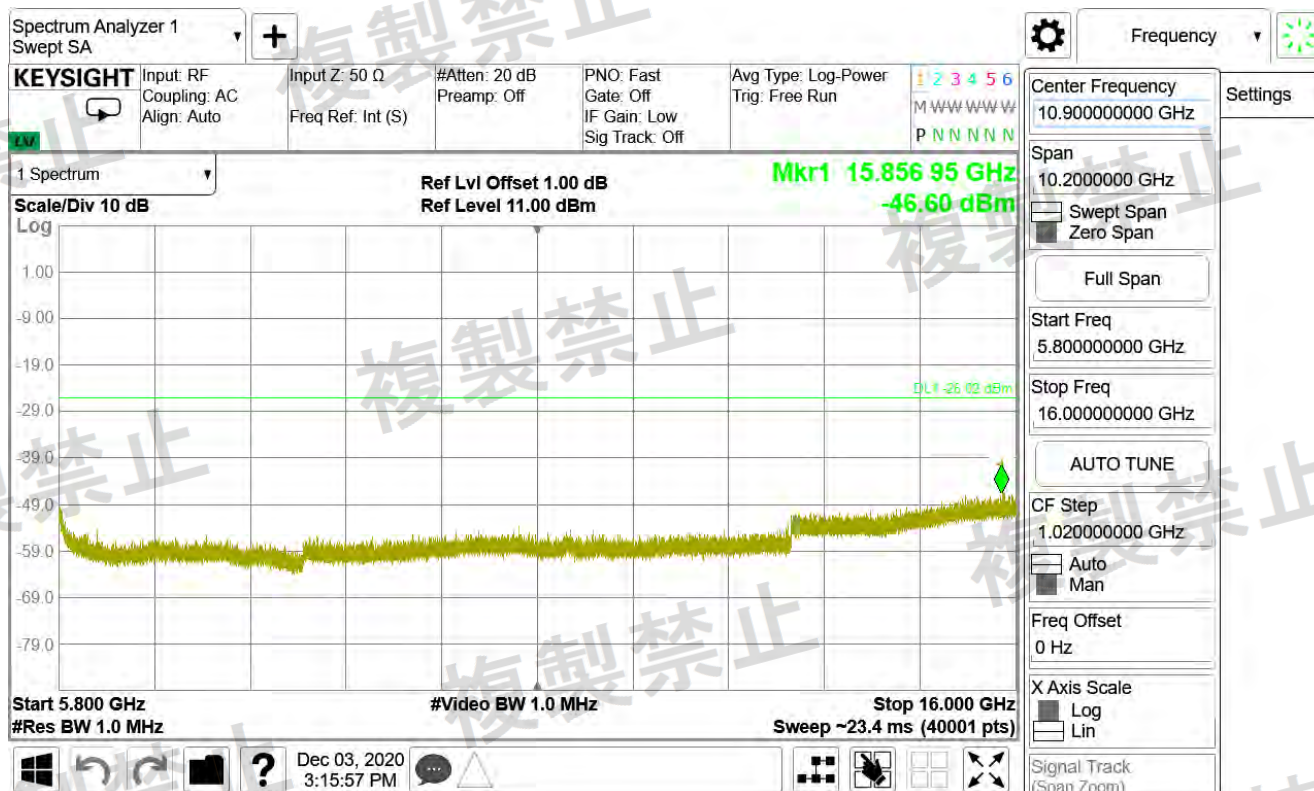


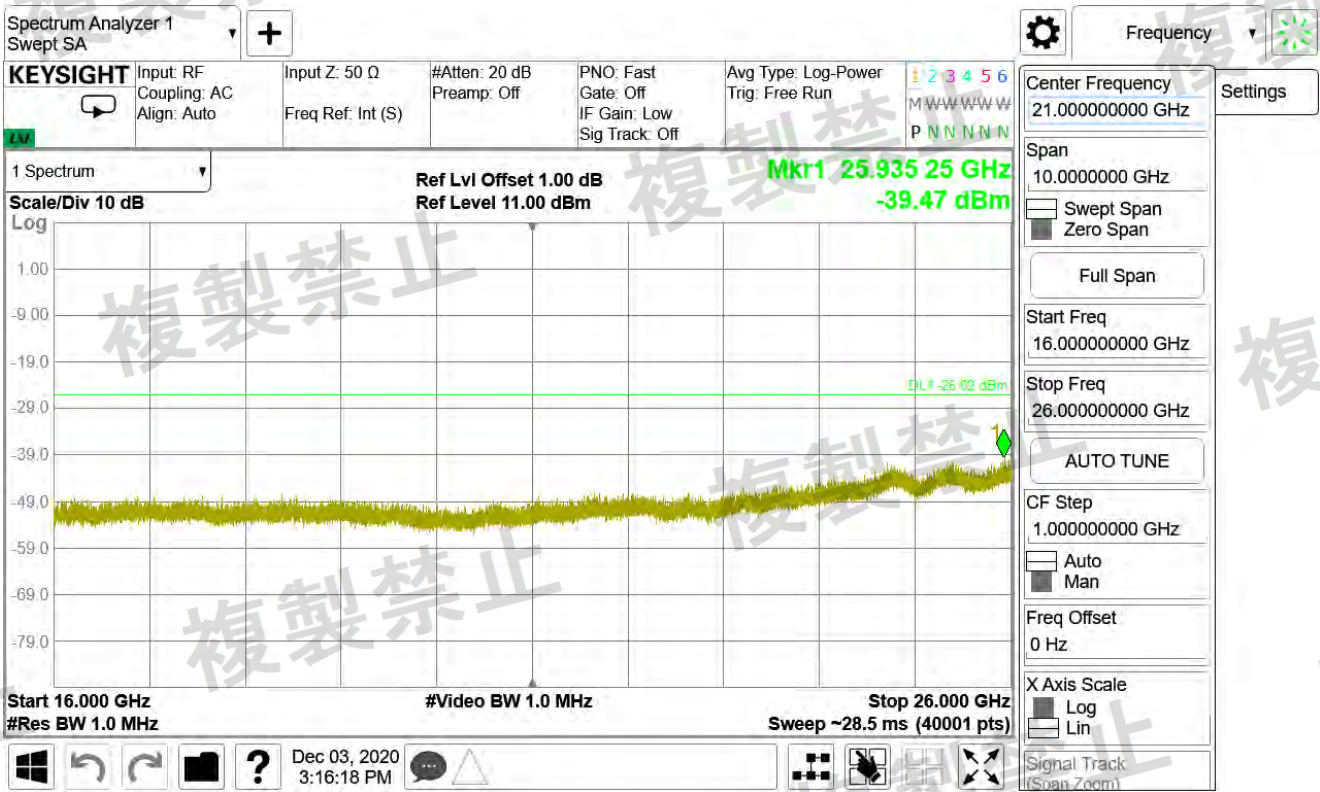
1000 – 5340MHz



5800– 16000MHz



16000 – 26000MHz

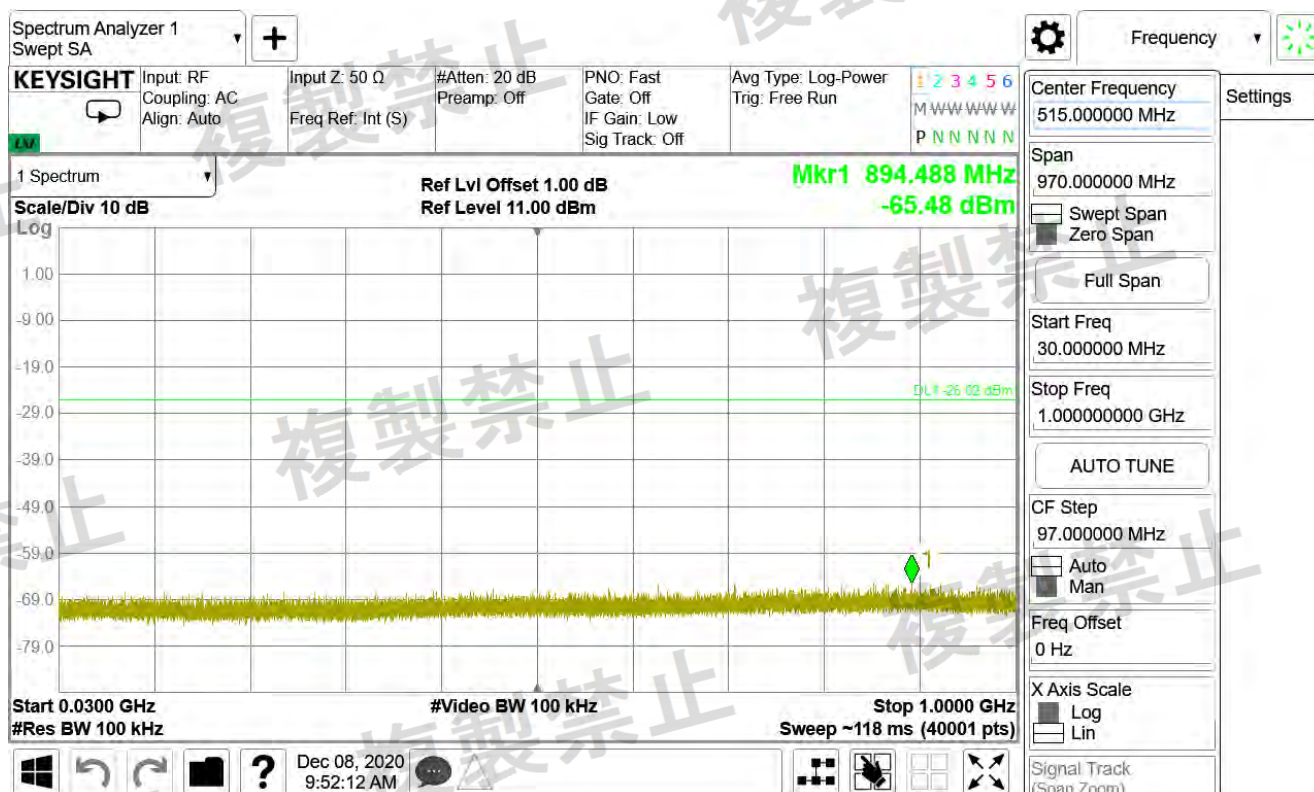


Test Result	PASS
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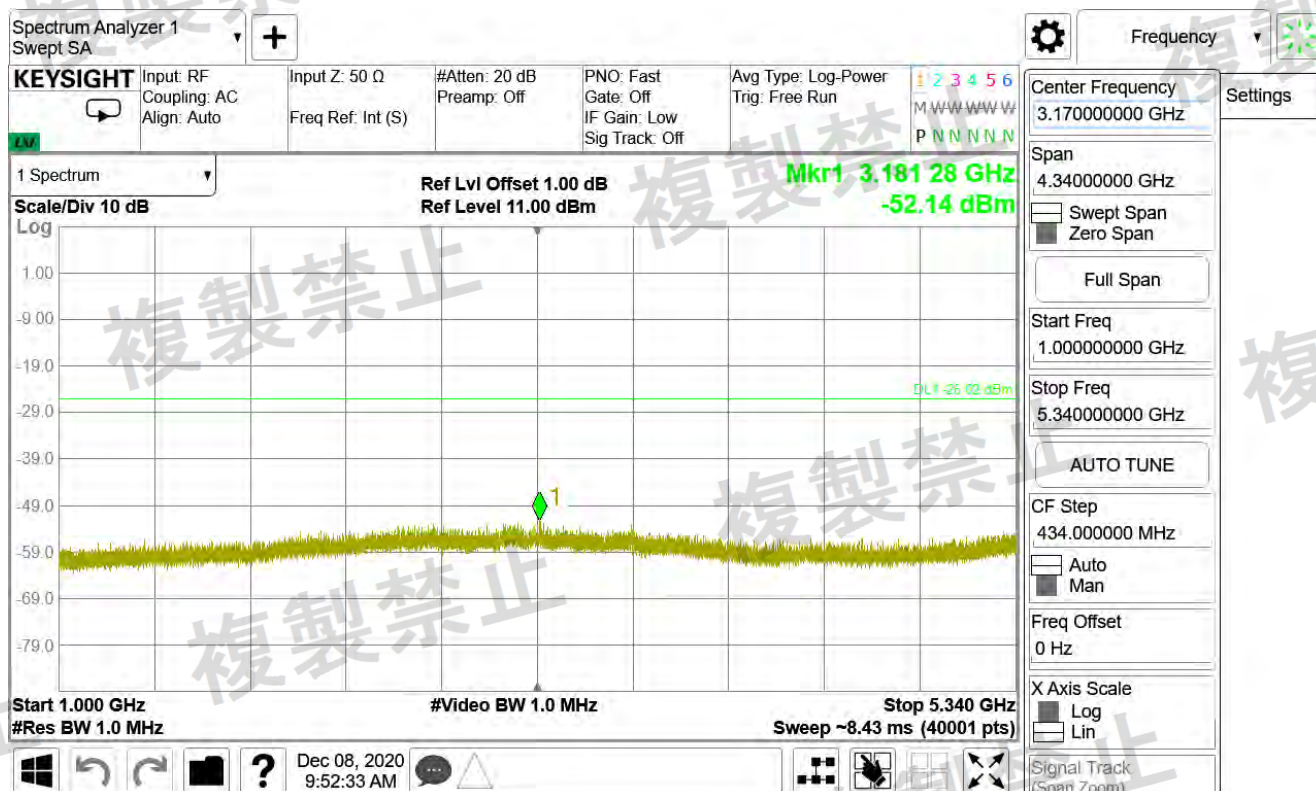
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 4: Transmit (802.11ac-80BW) 5690MHz_Chain A

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 – 1000	-65.48	-26 (2.5uW)
		1000 – 5340	-52.14	-26 (2.5uW)
		5800– 16000	-42.58	-26 (2.5uW)
		16000 – 26000	-39.24	-26 (2.5uW)

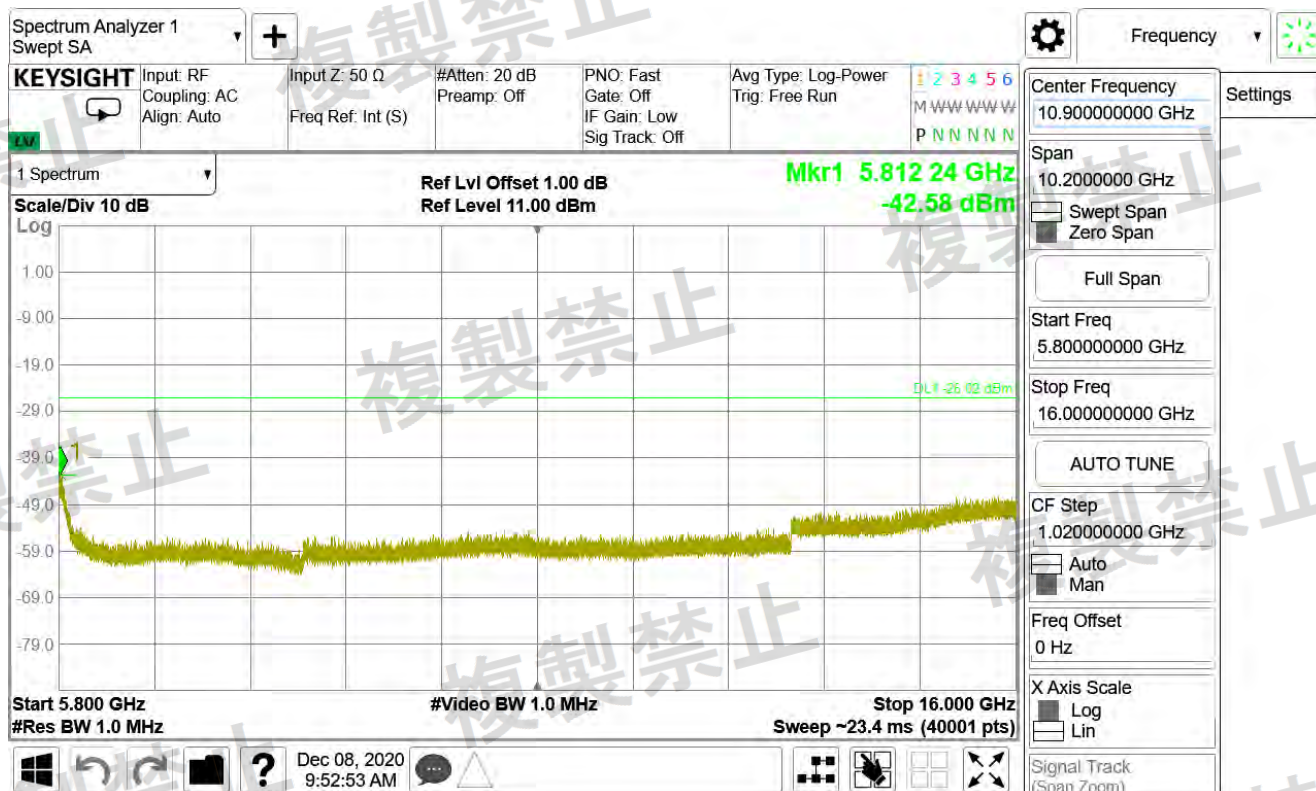
30 – 1000 MHz



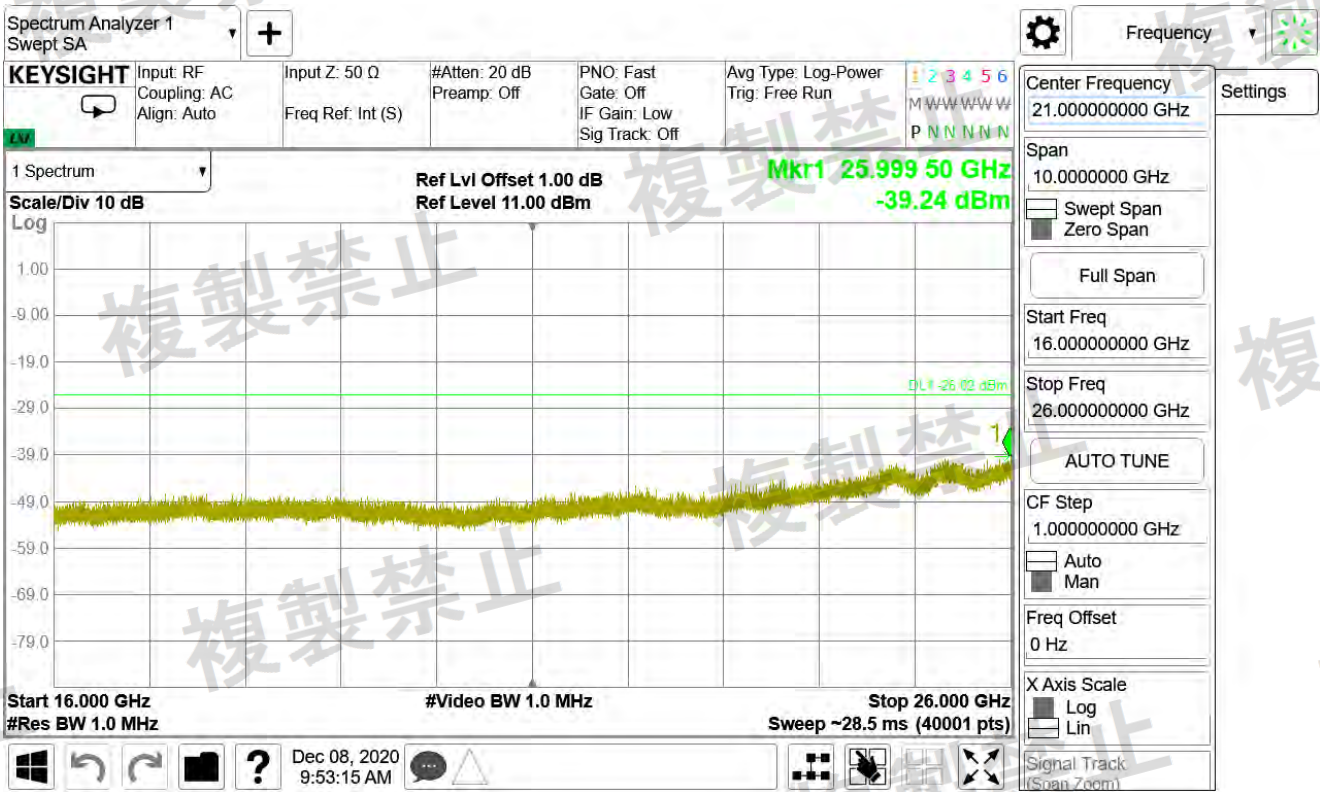
1000 – 5340MHz



5800– 16000MHz



16000 – 26000MHz

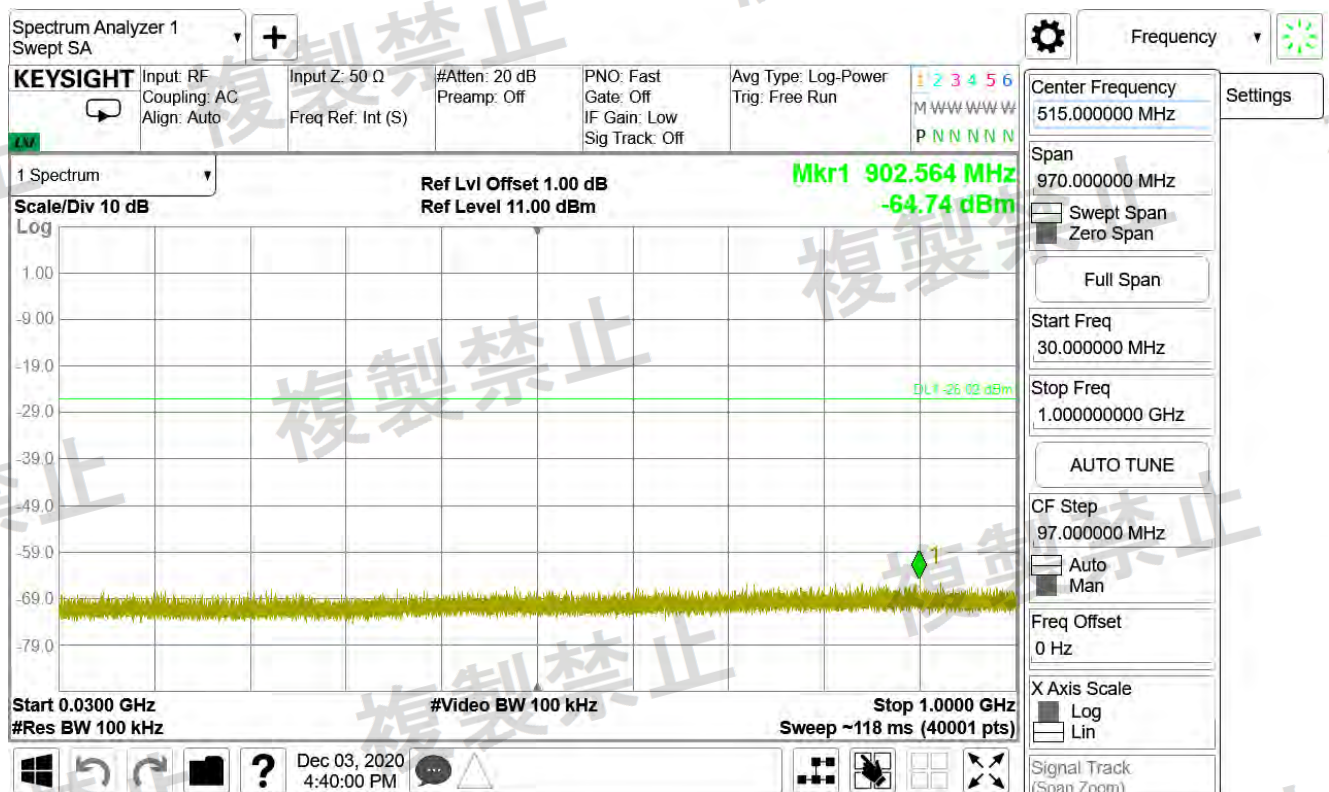


Test Result	PASS
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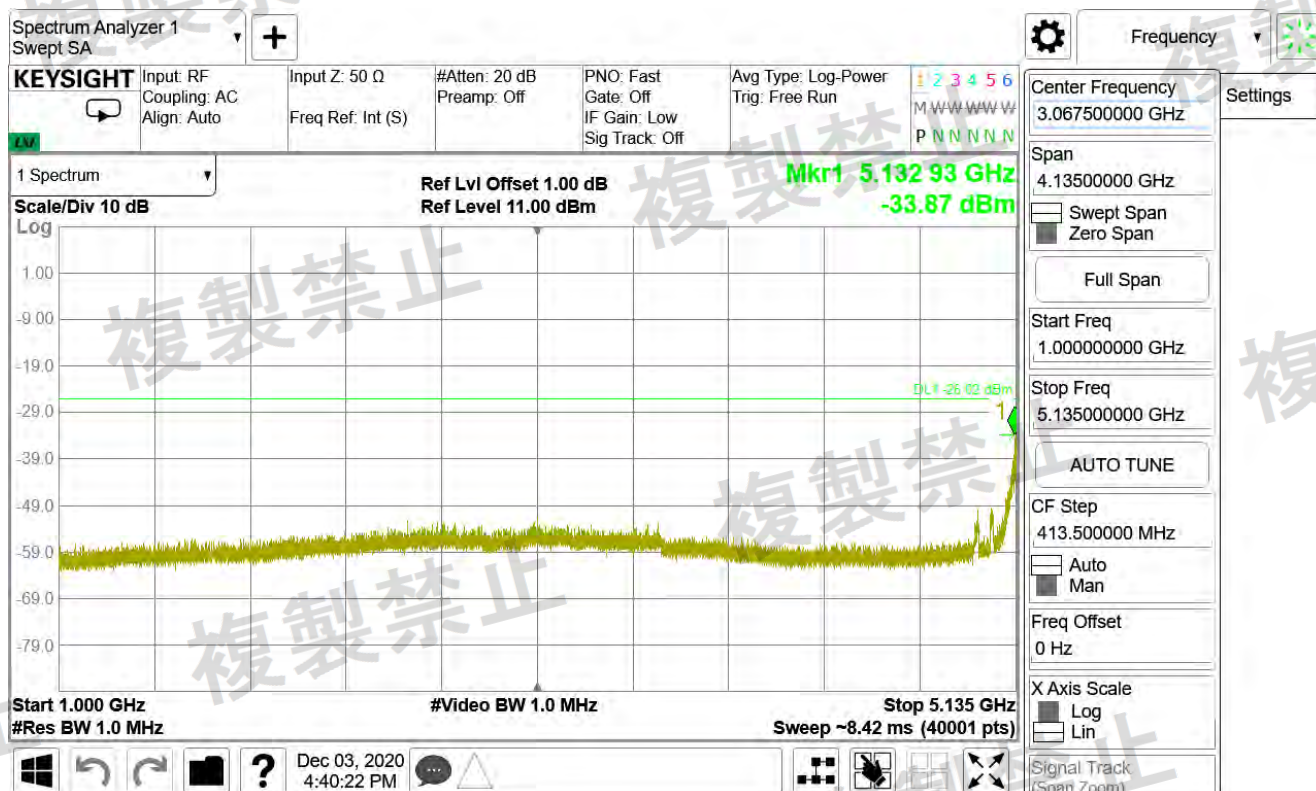
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 1: Transmit (802.11a) 5180MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 – 1000	-64.74	-26 (2.5uW)
		1000 – 5135	-33.87	-26 (2.5uW)
		5365– 16000	-43.28	-26 (2.5uW)
		16000 – 26000	-39.31	-26 (2.5uW)

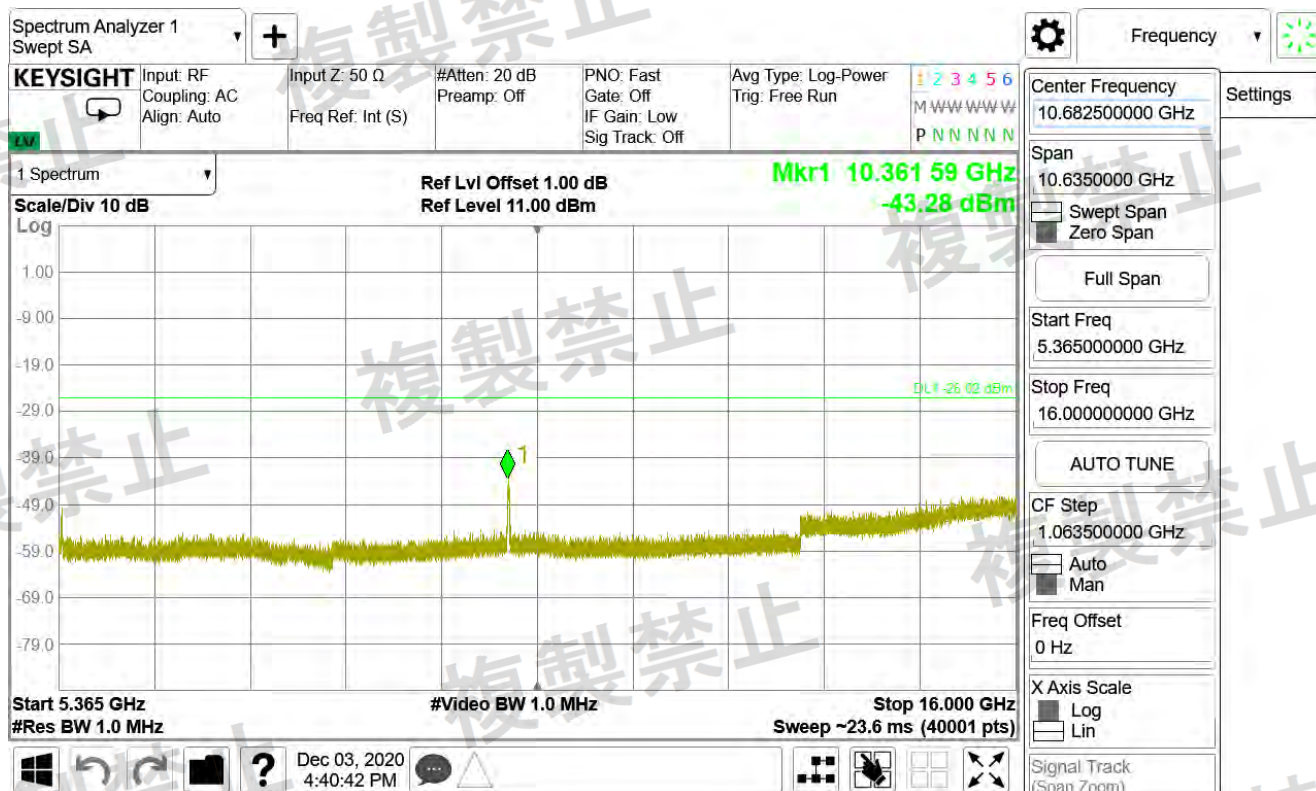
30 – 1000 MHz



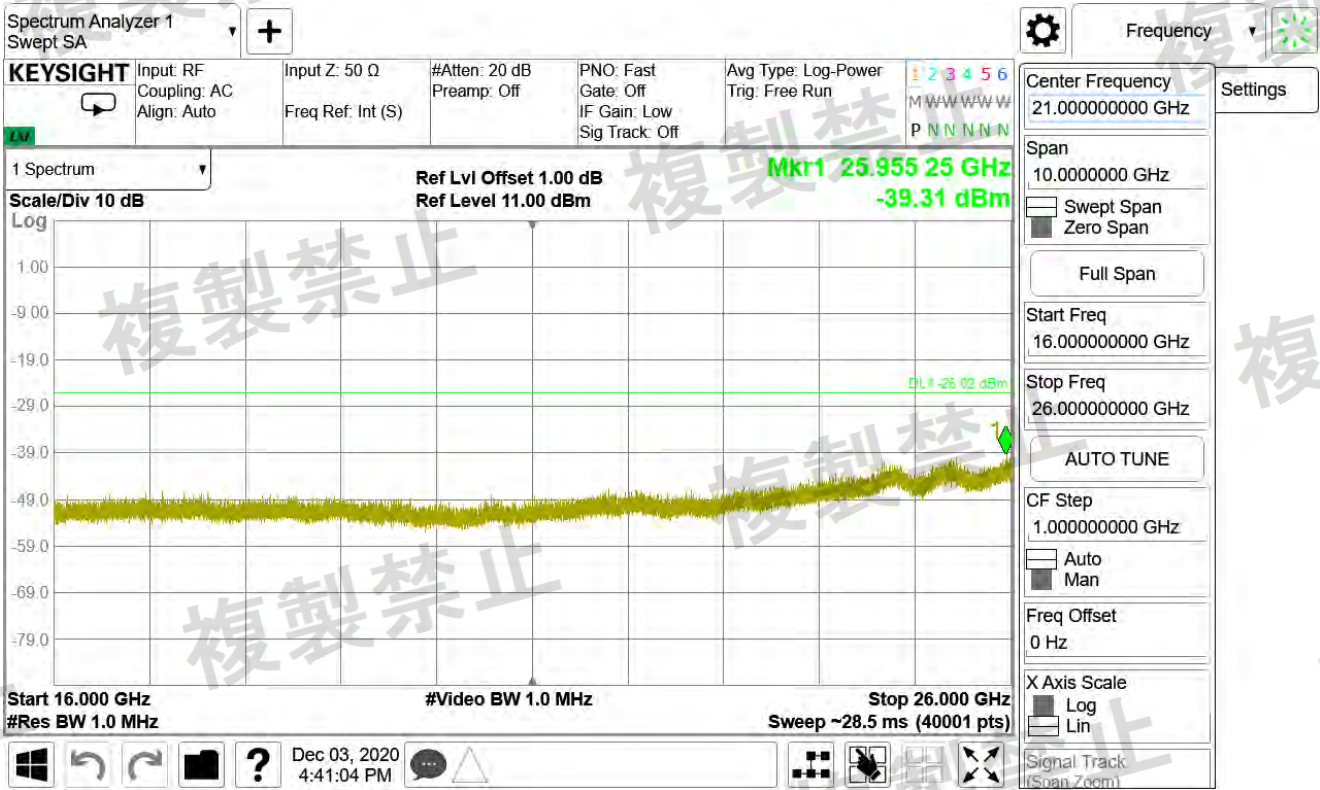
1000 – 5135MHz



5365– 16000MHz



16000 – 26000MHz

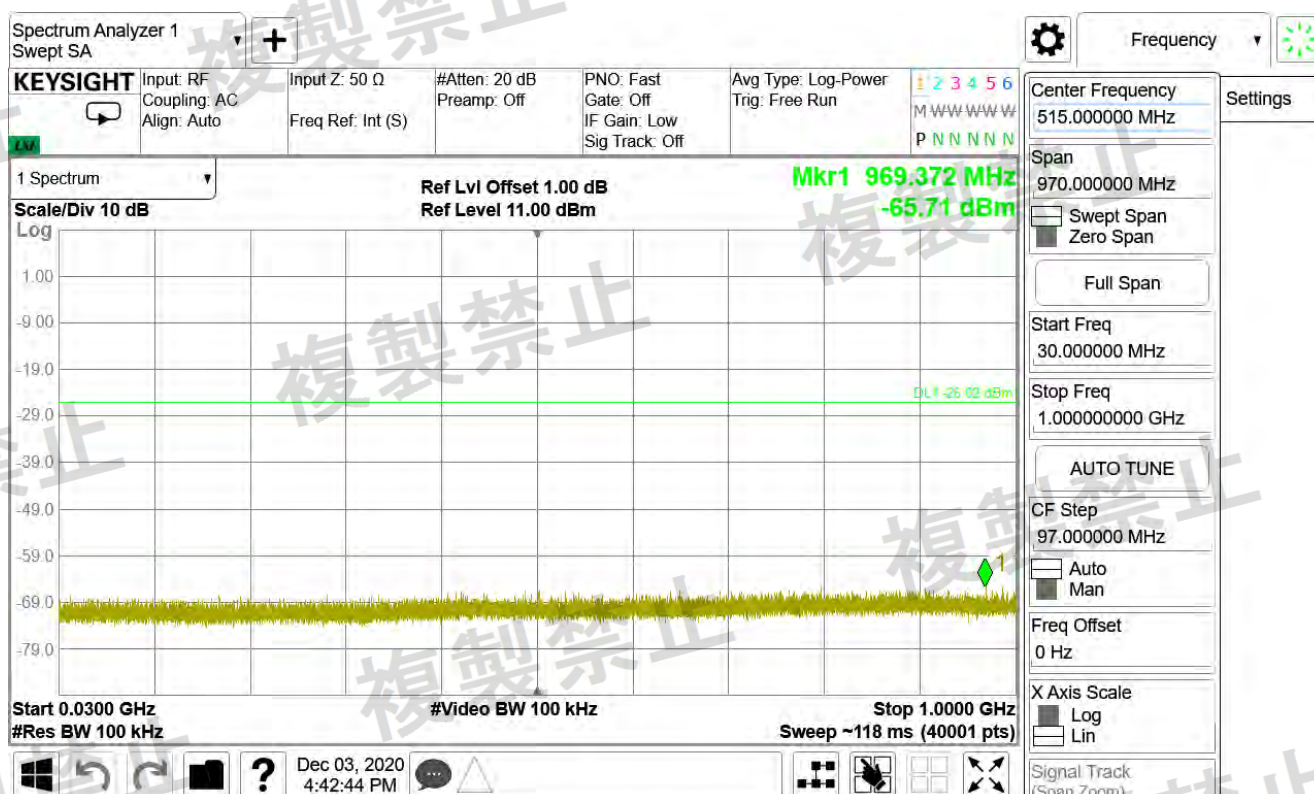


Test Result	PASS
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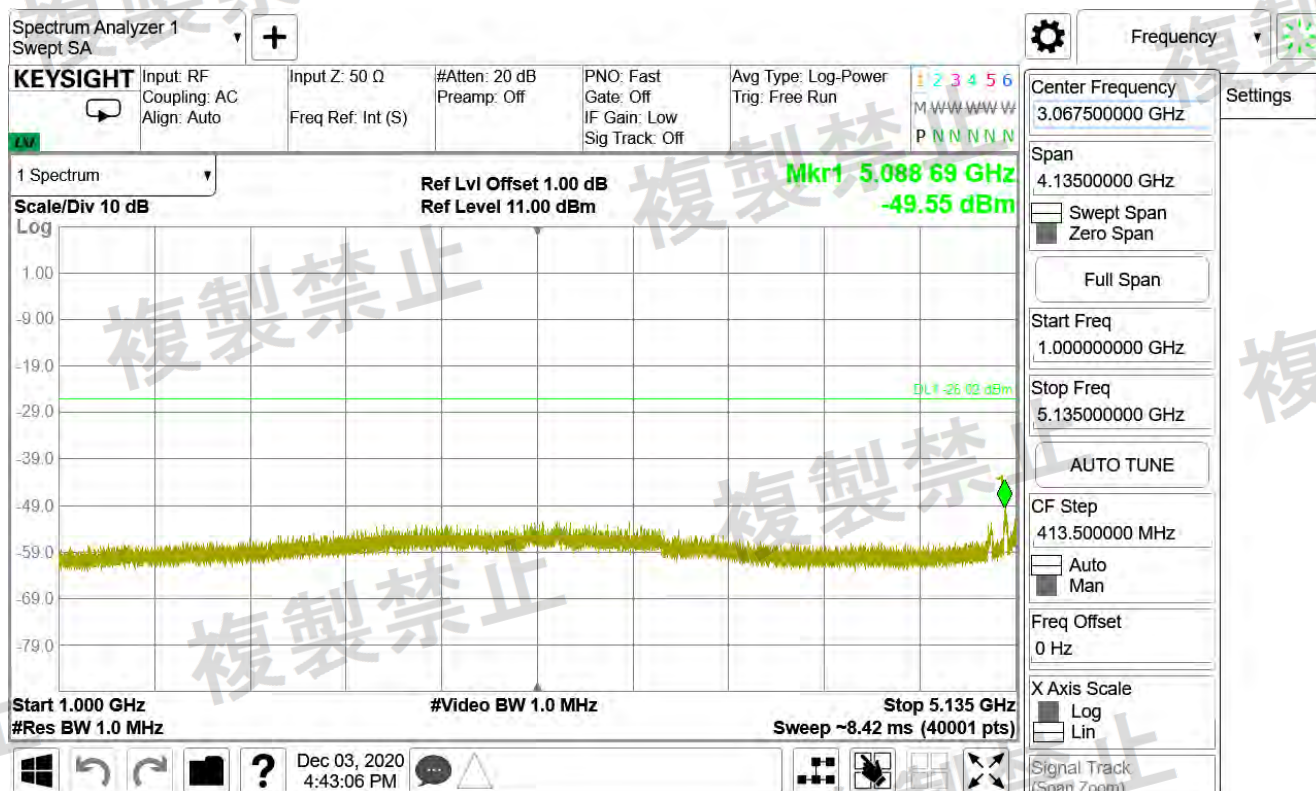
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 1: Transmit (802.11a) 5240MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 - 1000	-65.71	-26 (2.5uW)
		1000 - 5135	-49.55	-26 (2.5uW)
		5365- 16000	-43.29	-26 (2.5uW)
		16000 - 26000	-40.02	-26 (2.5uW)

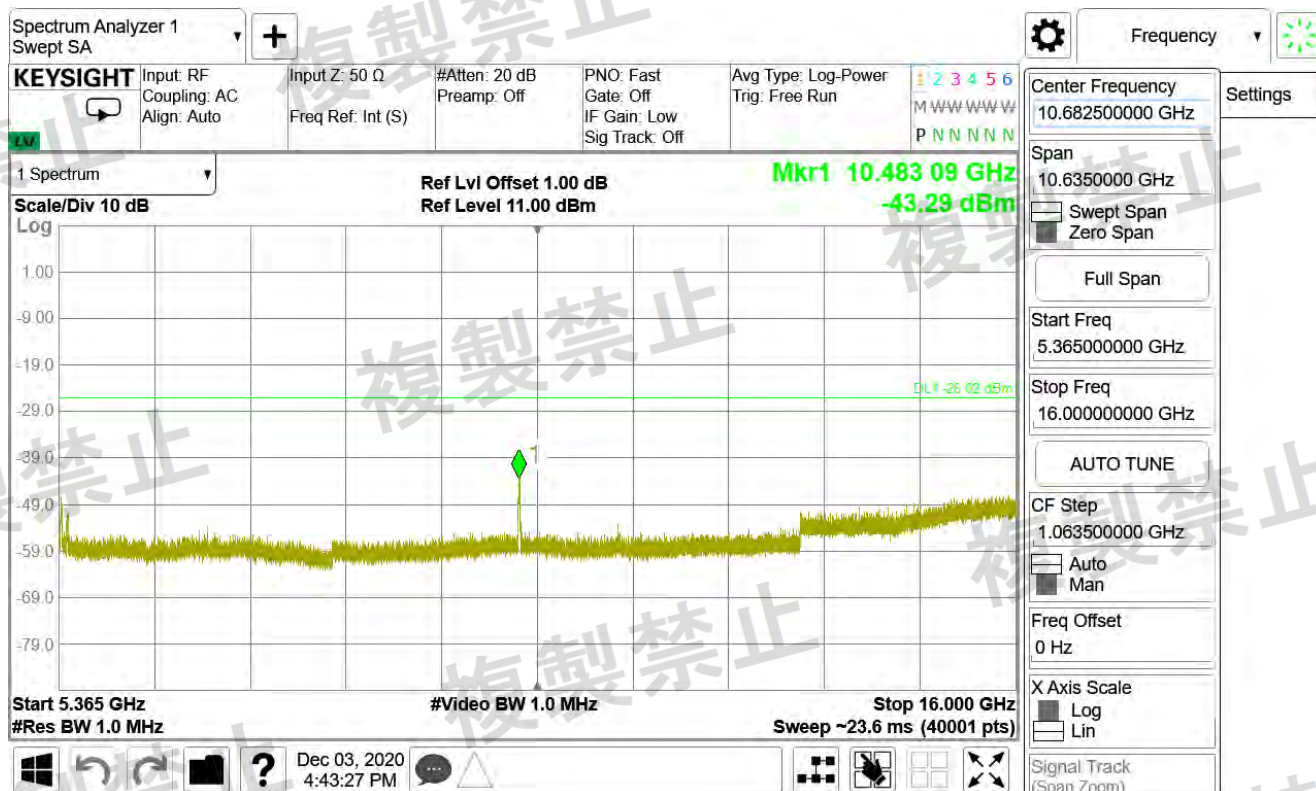
30 - 1000 MHz



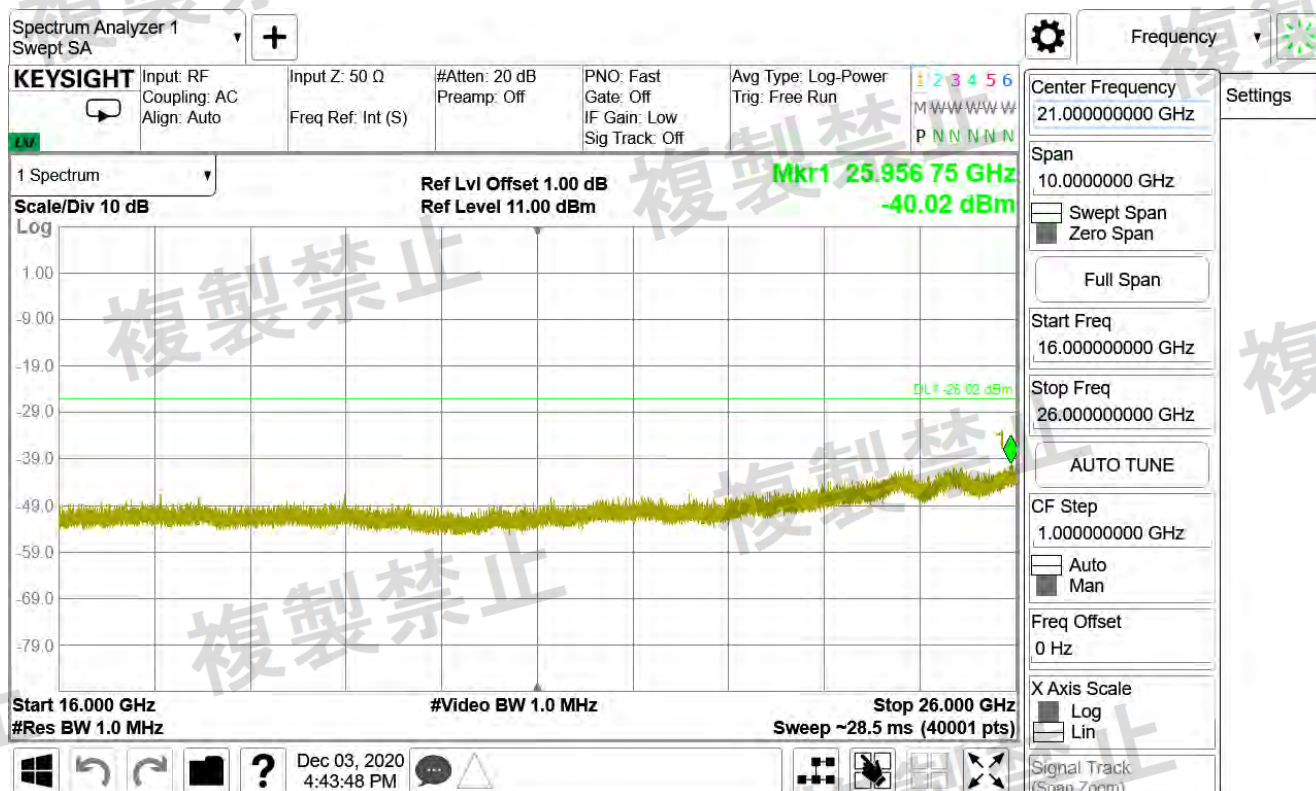
1000 – 5135MHz



5365– 16000MHz



16000 – 26000MHz



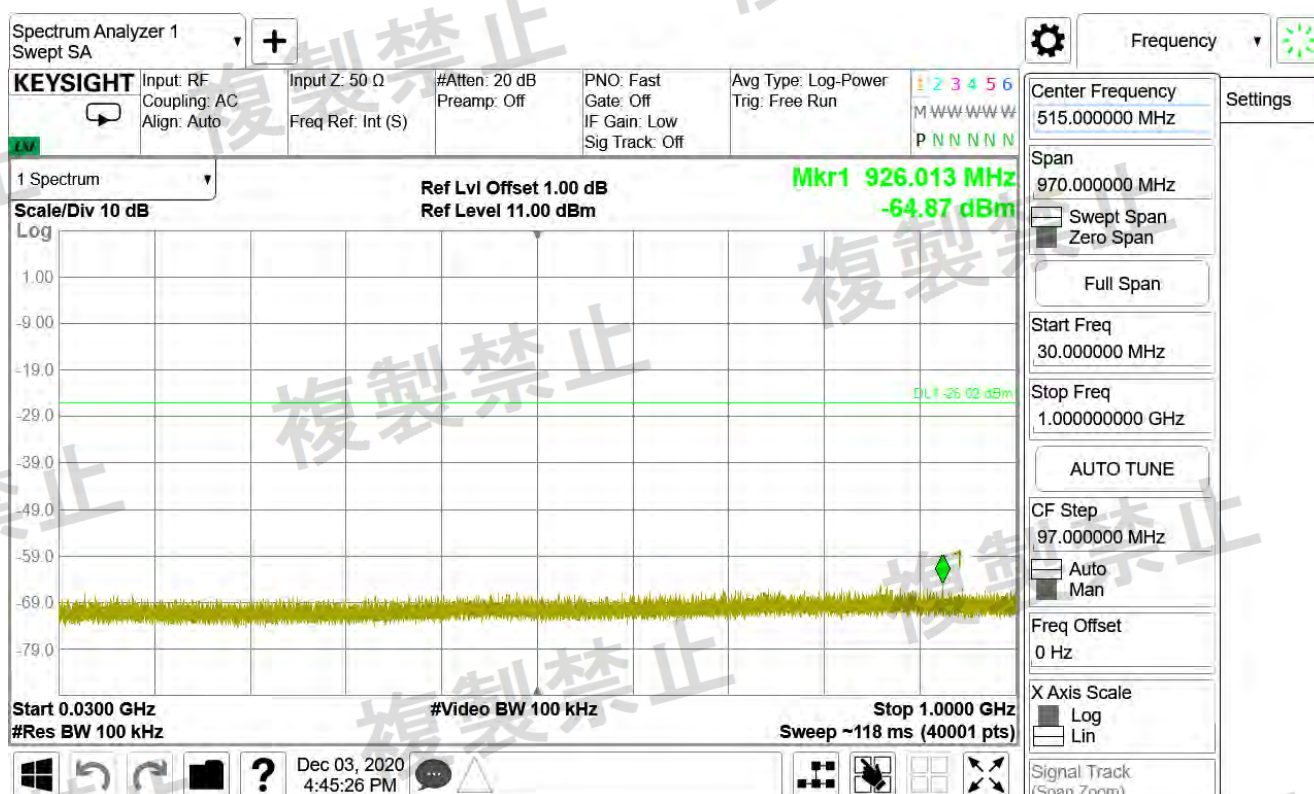
Test Result

PASS

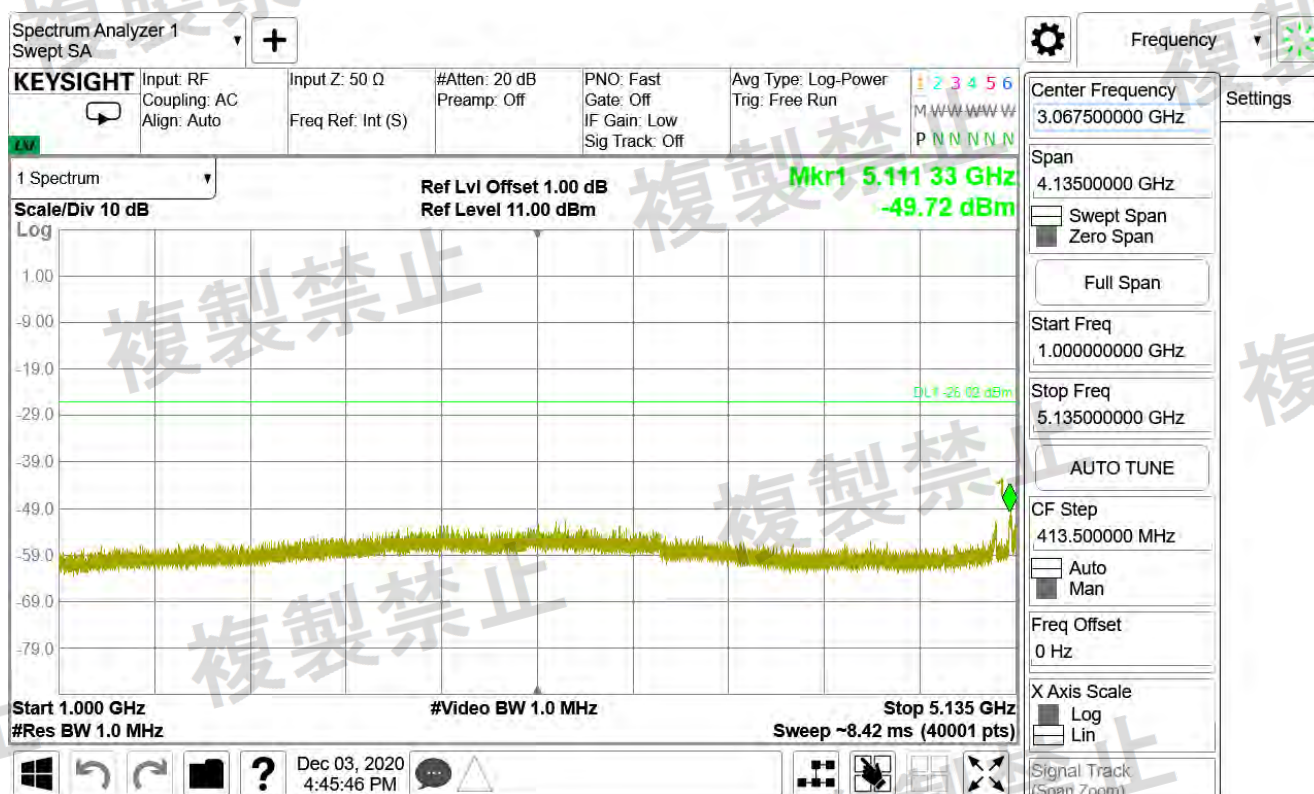
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 1: Transmit (802.11a) 5260MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 - 1000	-64.87	-26 (2.5uW)
		1000 - 5135	-49.72	-26 (2.5uW)
		5365- 16000	-43.39	-26 (2.5uW)
		16000 - 26000	-39.91	-26 (2.5uW)

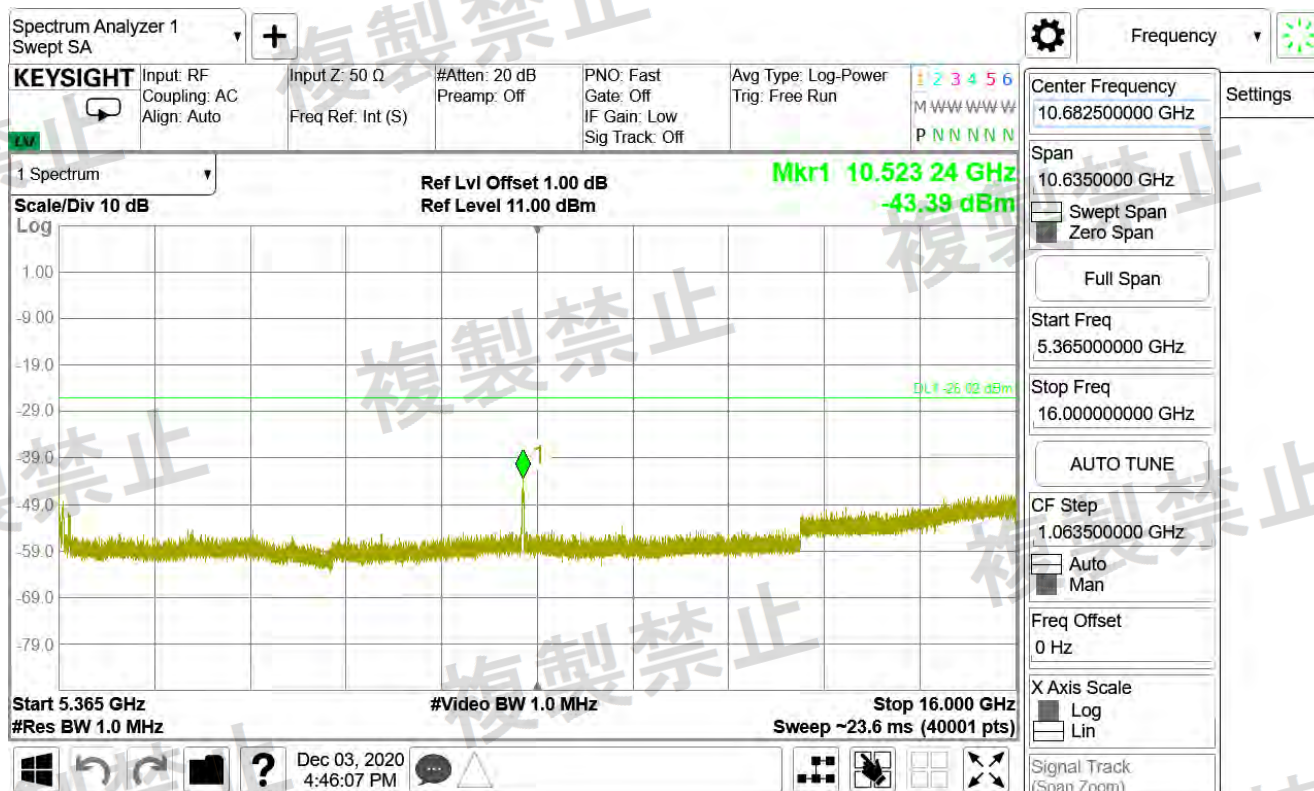
30 - 1000 MHz



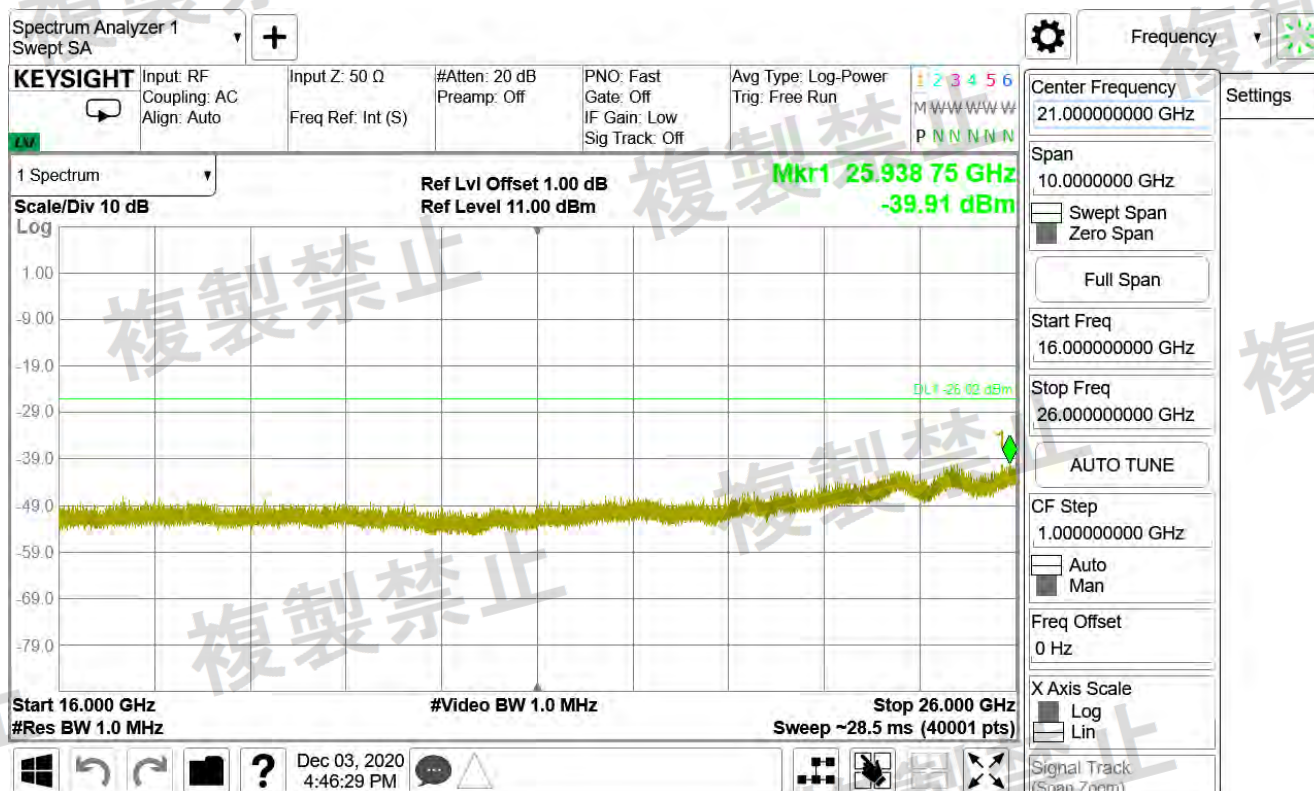
1000 – 5135MHz



5365– 16000MHz



16000 – 26000MHz



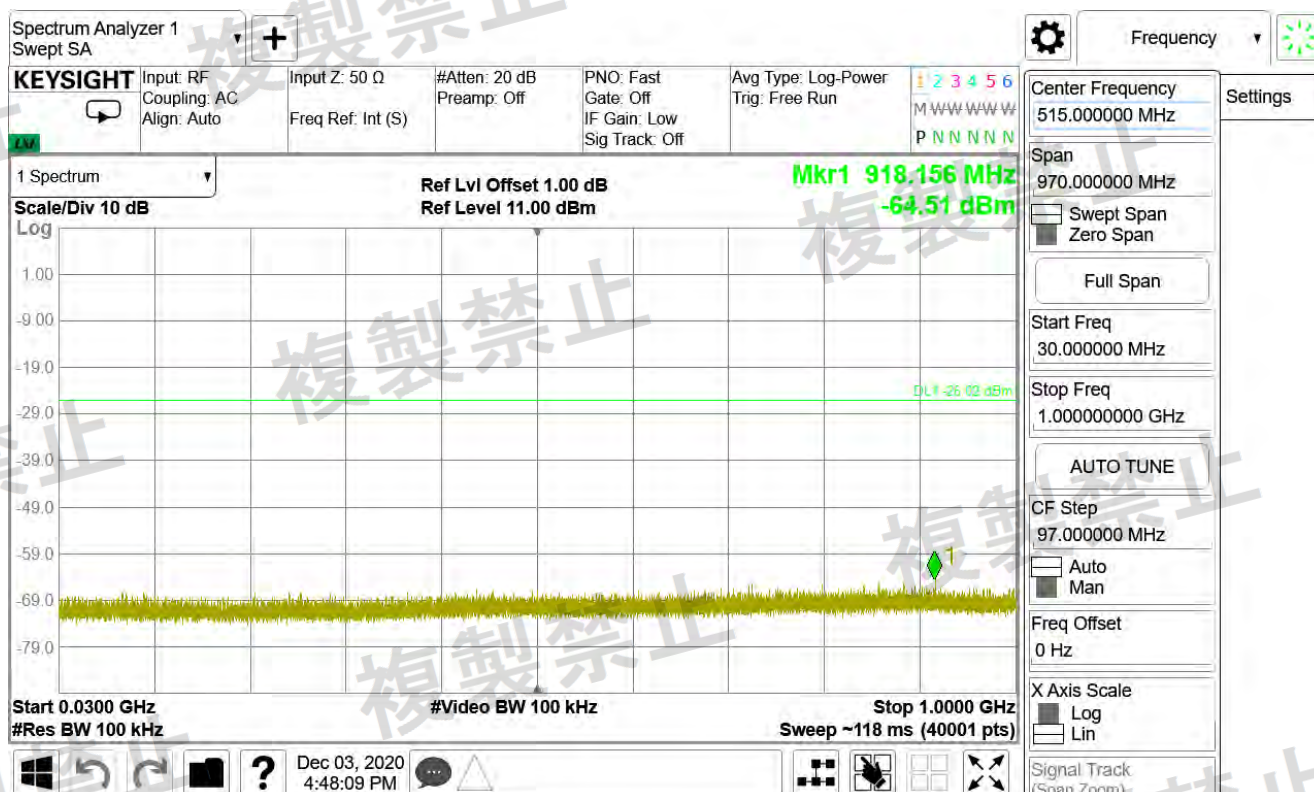
Test Result

PASS

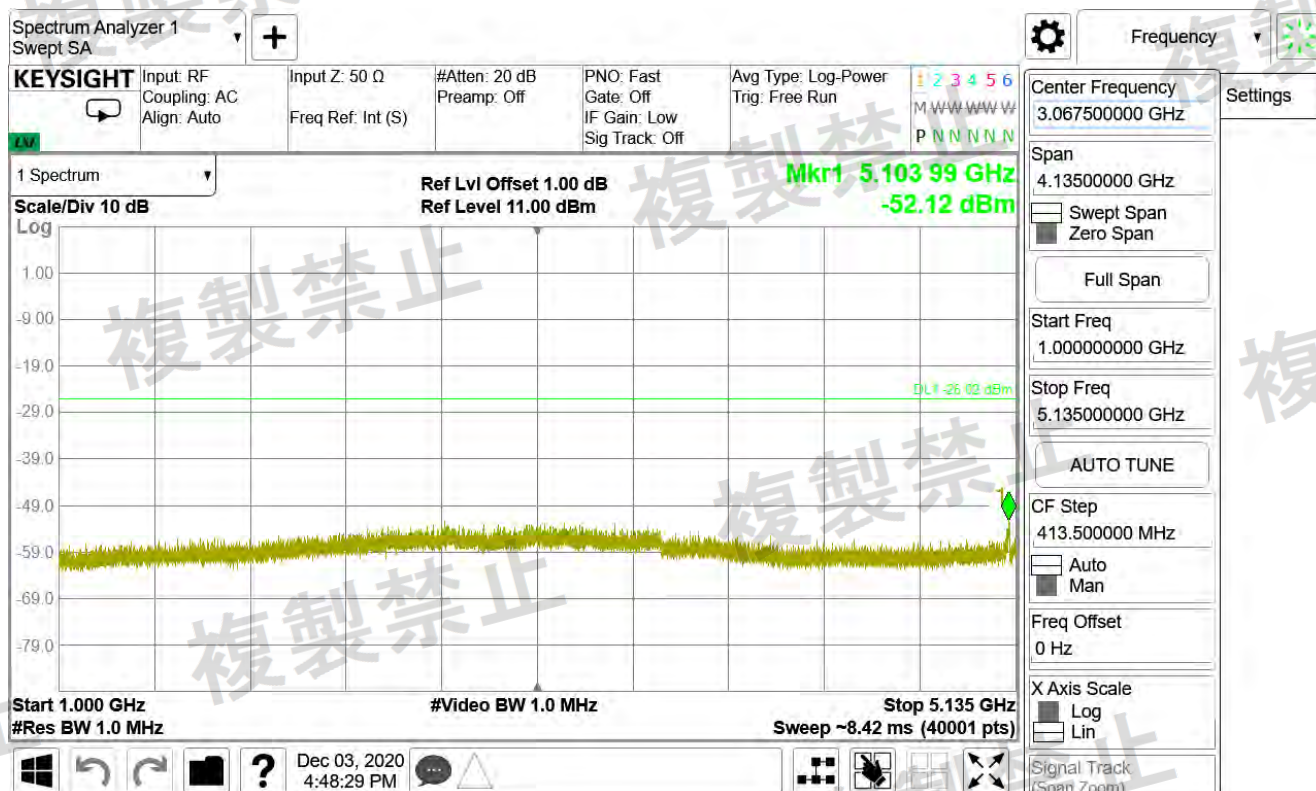
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 1: Transmit (802.11a) 5320MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 - 1000	-64.51	-26 (2.5uW)
		1000 - 5135	-52.12	-26 (2.5uW)
		5365- 16000	-37.49	-26 (2.5uW)
		16000 - 26000	-40.07	-26 (2.5uW)

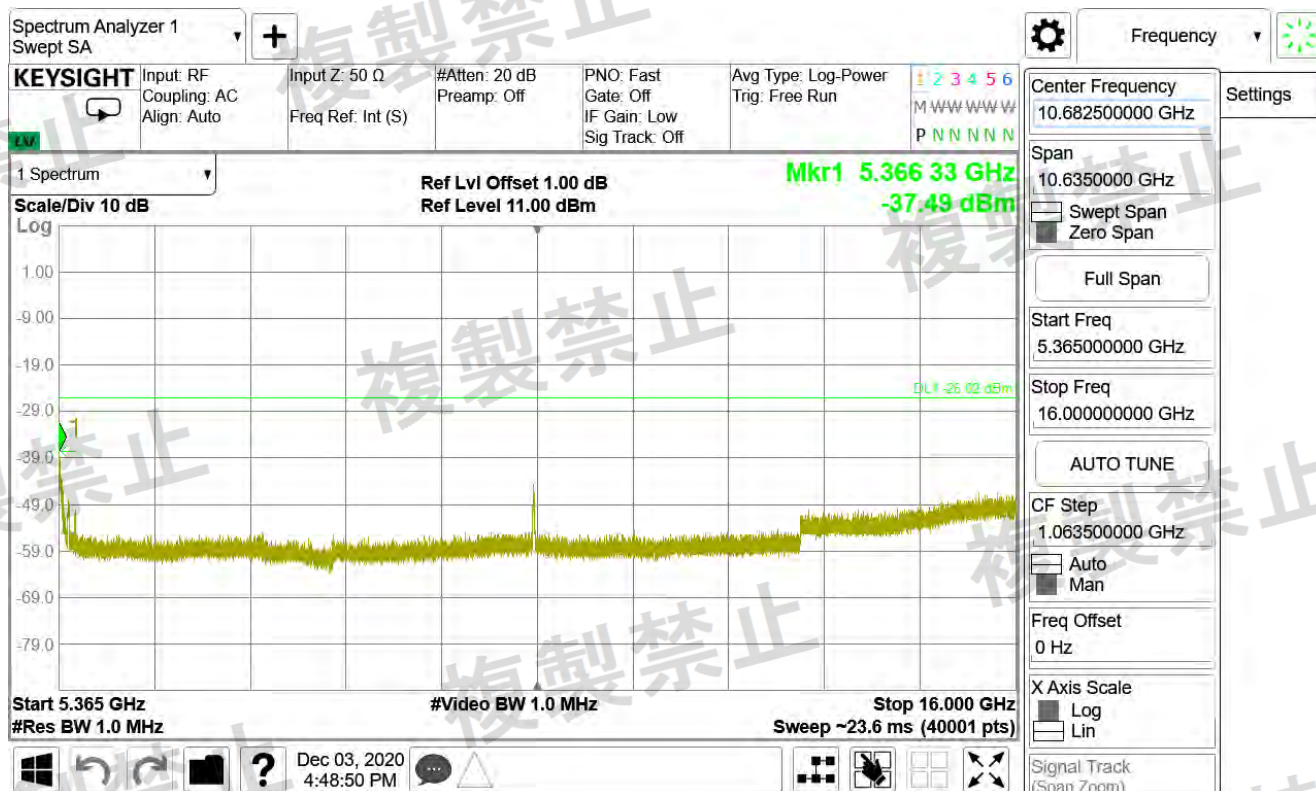
30 - 1000 MHz



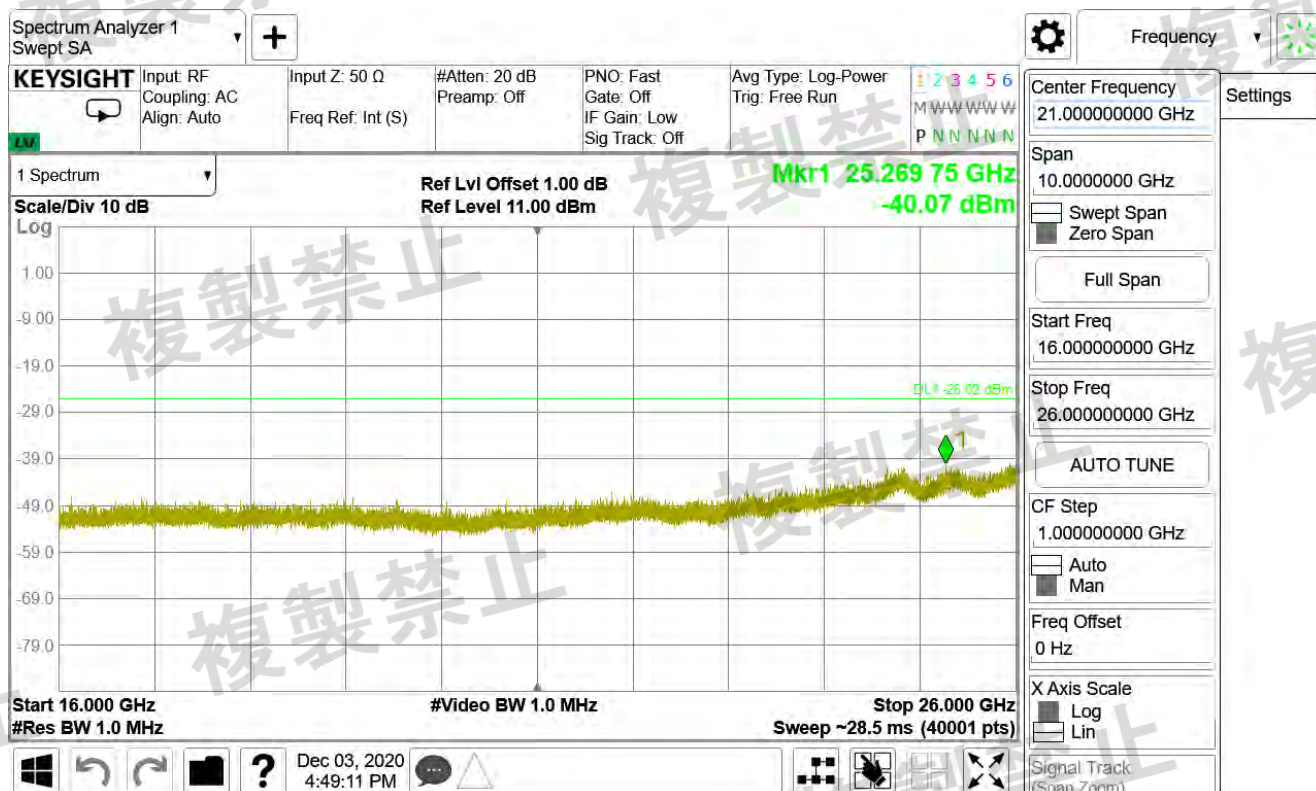
1000 – 5135MHz



5365– 16000MHz



16000 – 26000MHz



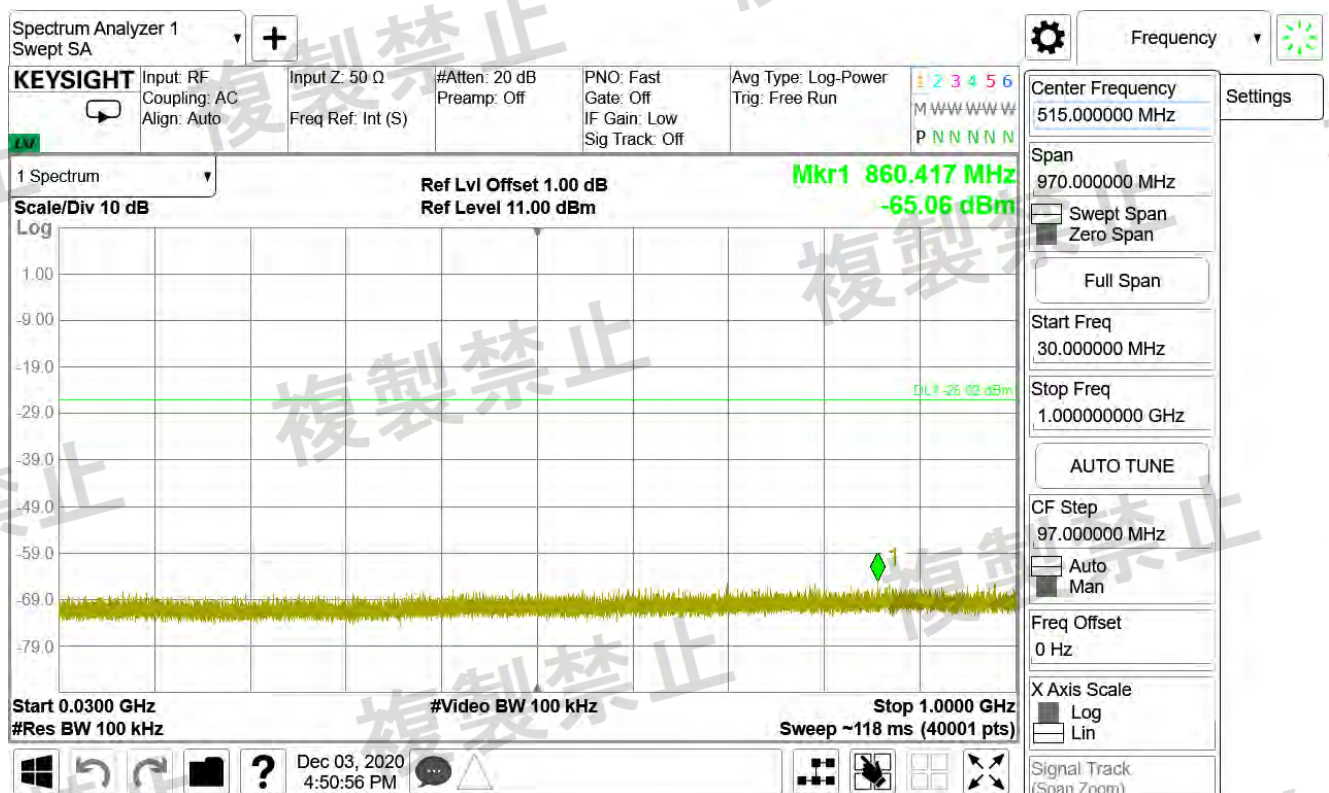
Test Result

PASS

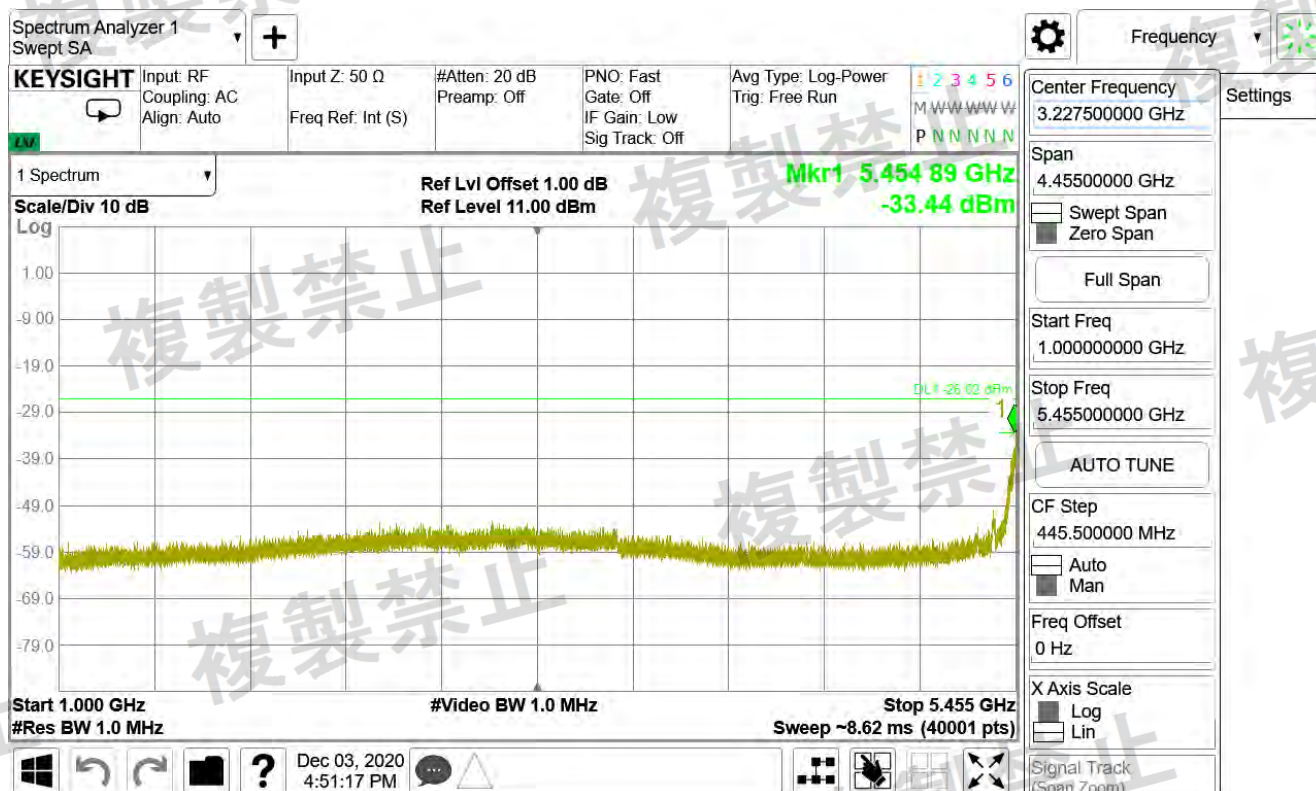
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 1: Transmit (802.11a) 5500MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 - 1000	-65.06	-26 (2.5uW)
		1000 - 5455	-33.44	-26 (2.5uW)
		5745- 16000	-46.64	-26 (2.5uW)
		16000 - 26000	-39.48	-26 (2.5uW)

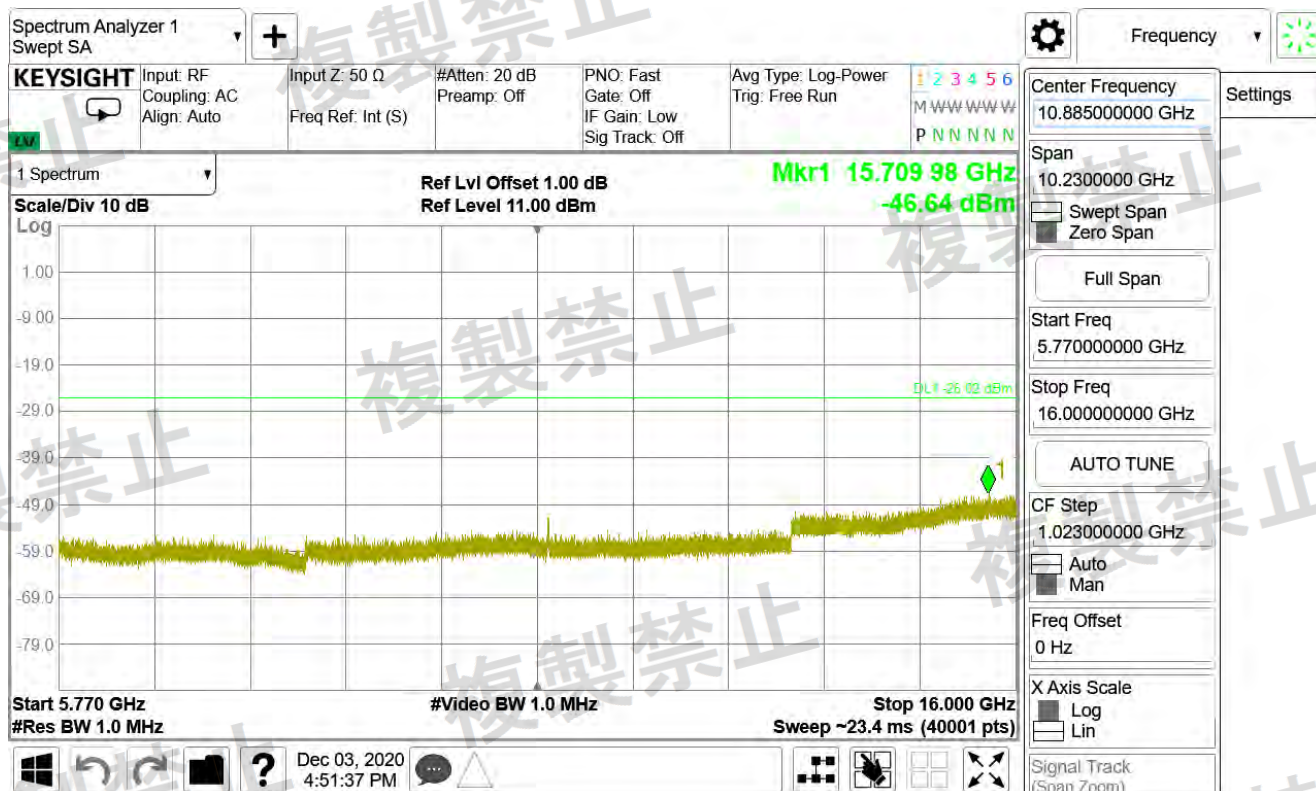
30 - 1000 MHz



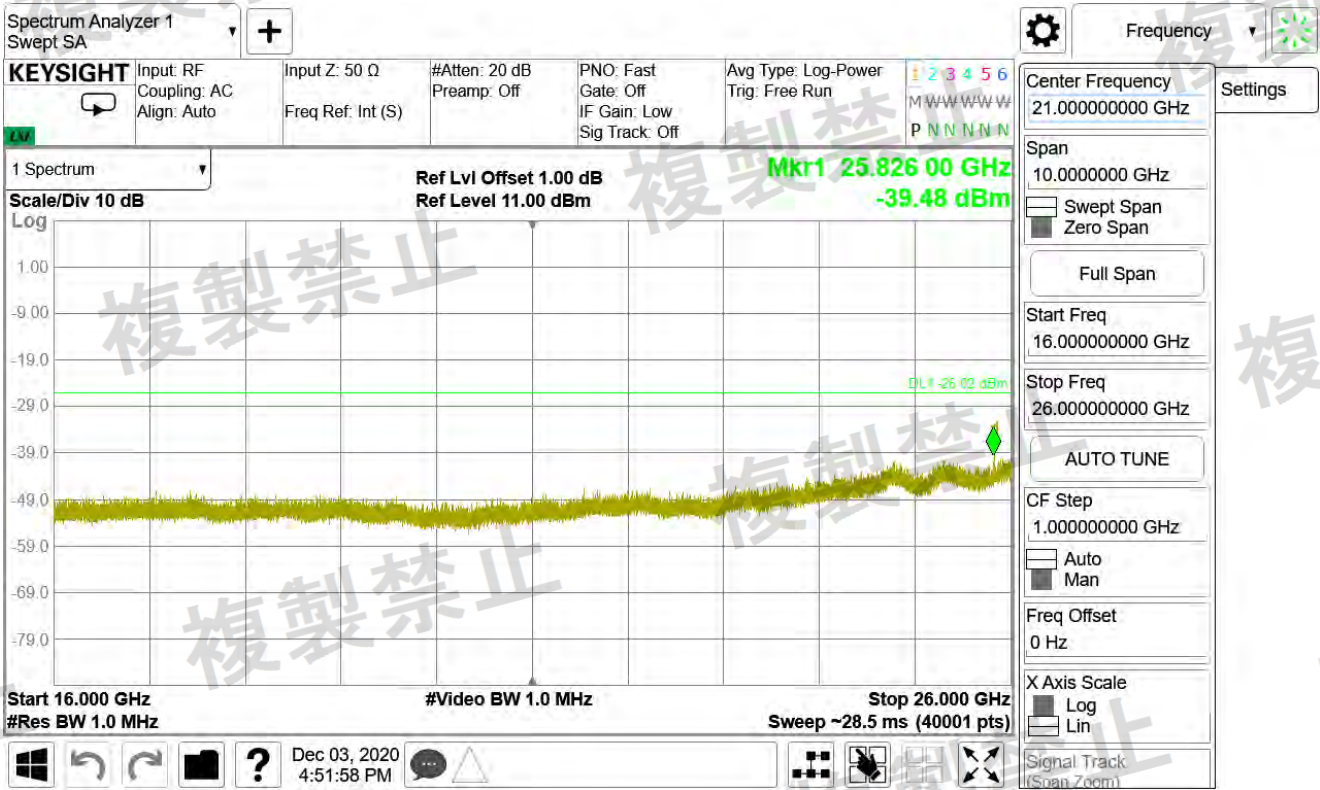
1000 – 5455MHz



5745– 16000MHz



16000 – 26000MHz

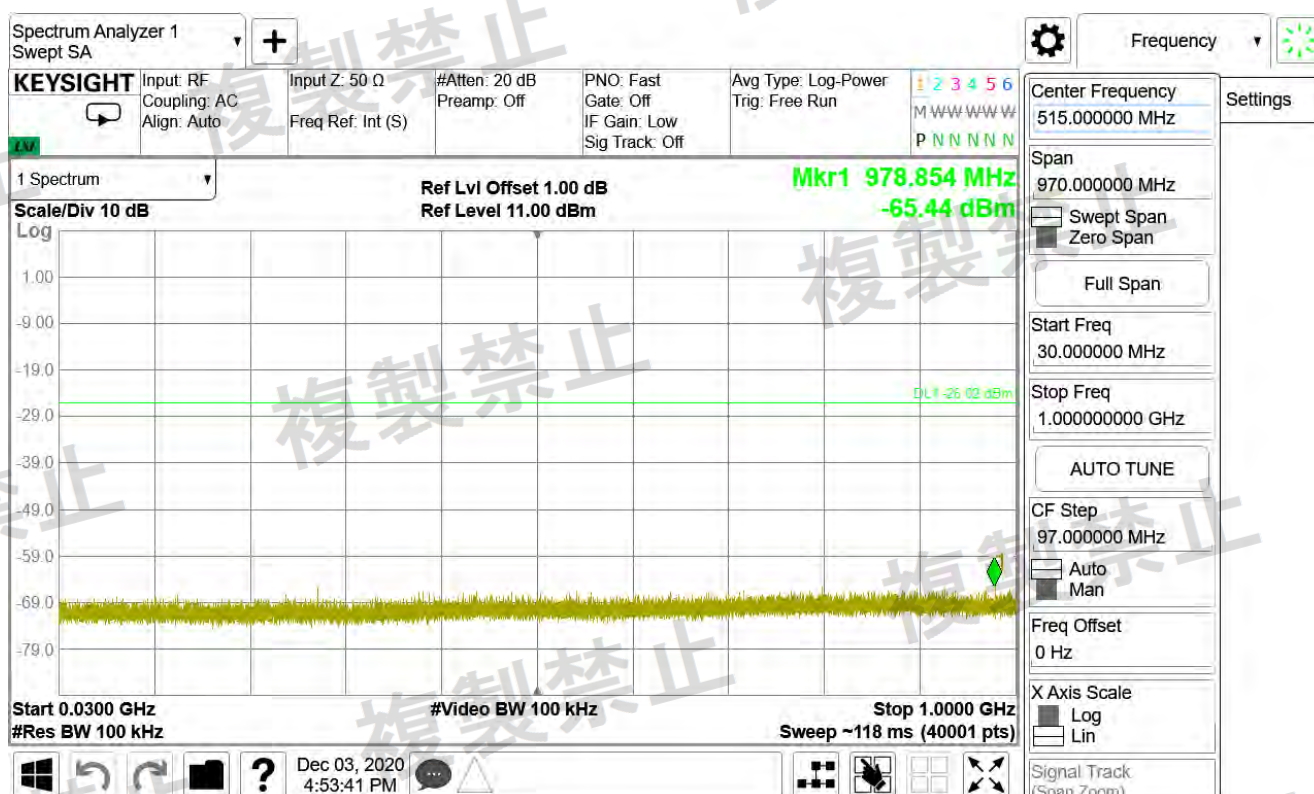


Test Result	PASS
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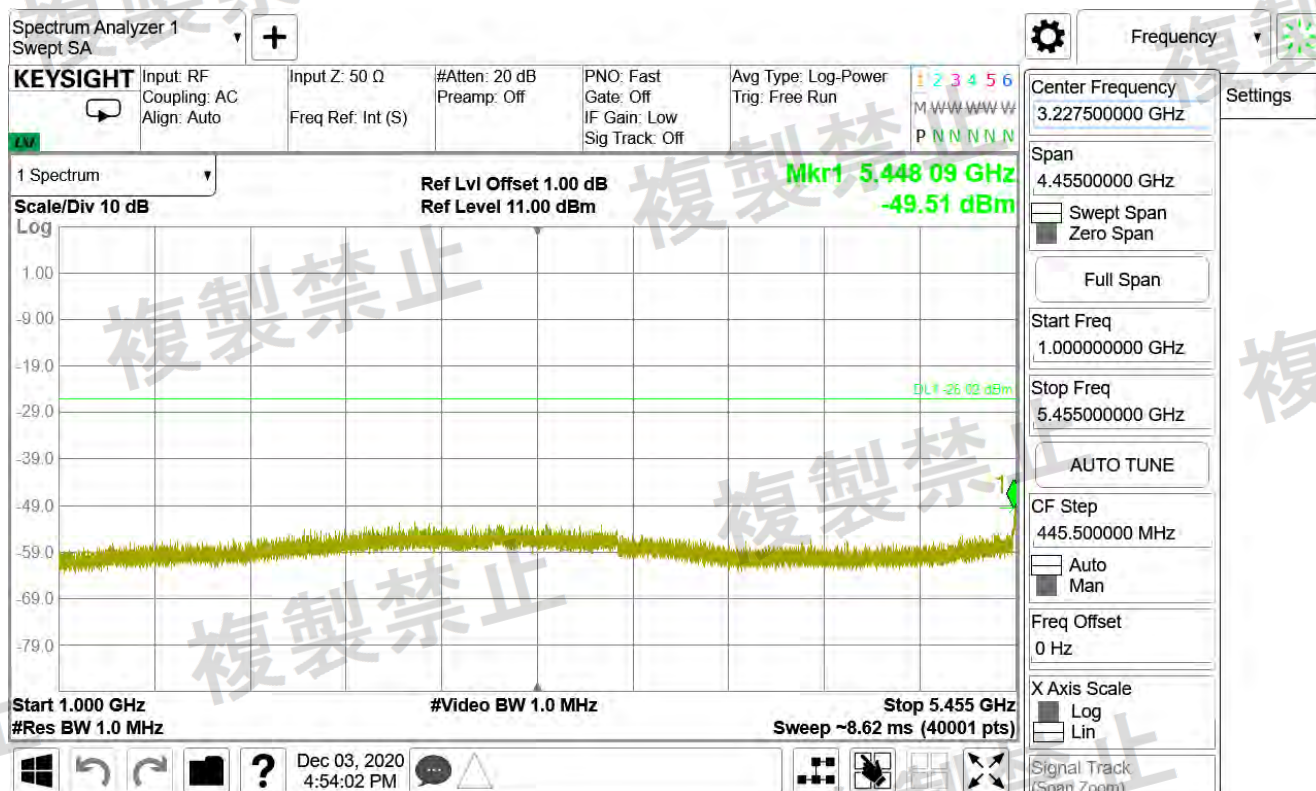
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 1: Transmit (802.11a) 5600MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 - 1000	-65.44	-26 (2.5uW)
		1000 - 5455	-49.51	-26 (2.5uW)
		5745- 16000	-46.84	-26 (2.5uW)
		16000 - 26000	-39.97	-26 (2.5uW)

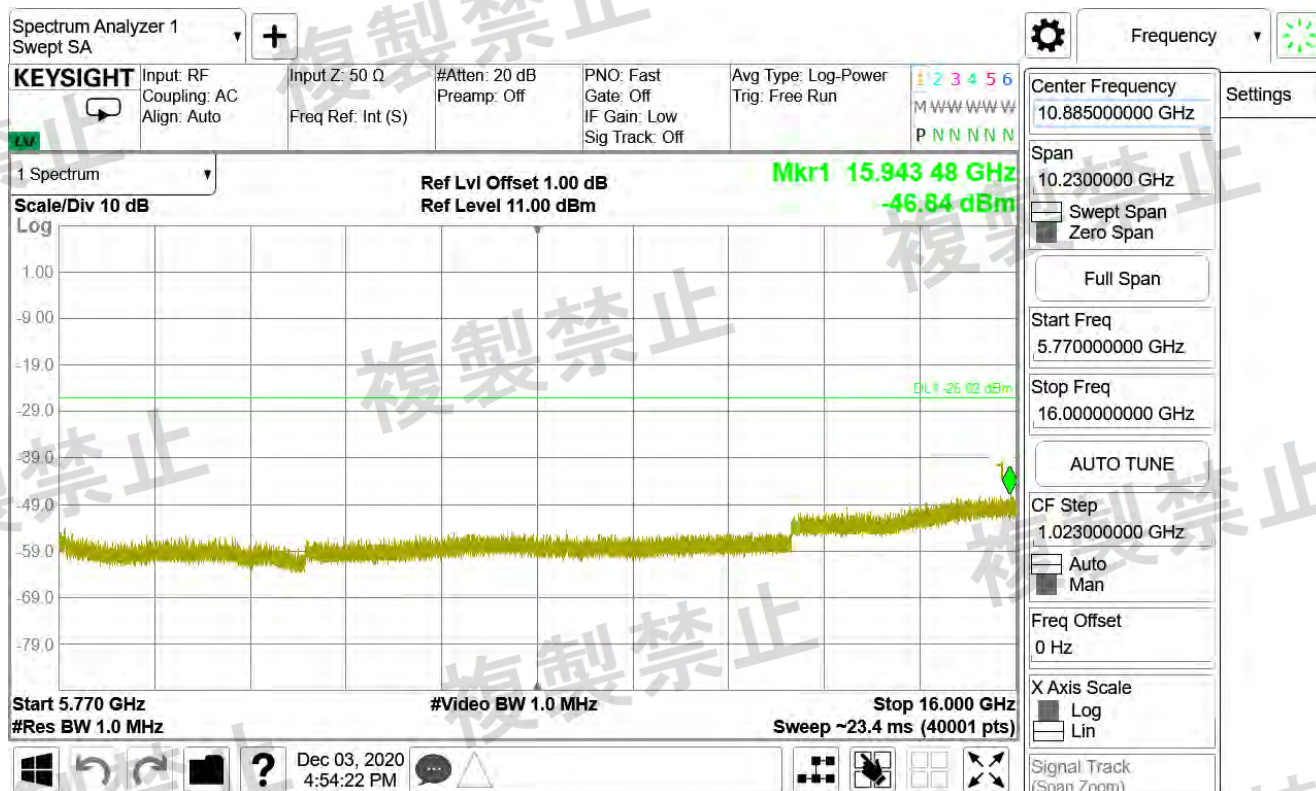
30 - 1000 MHz



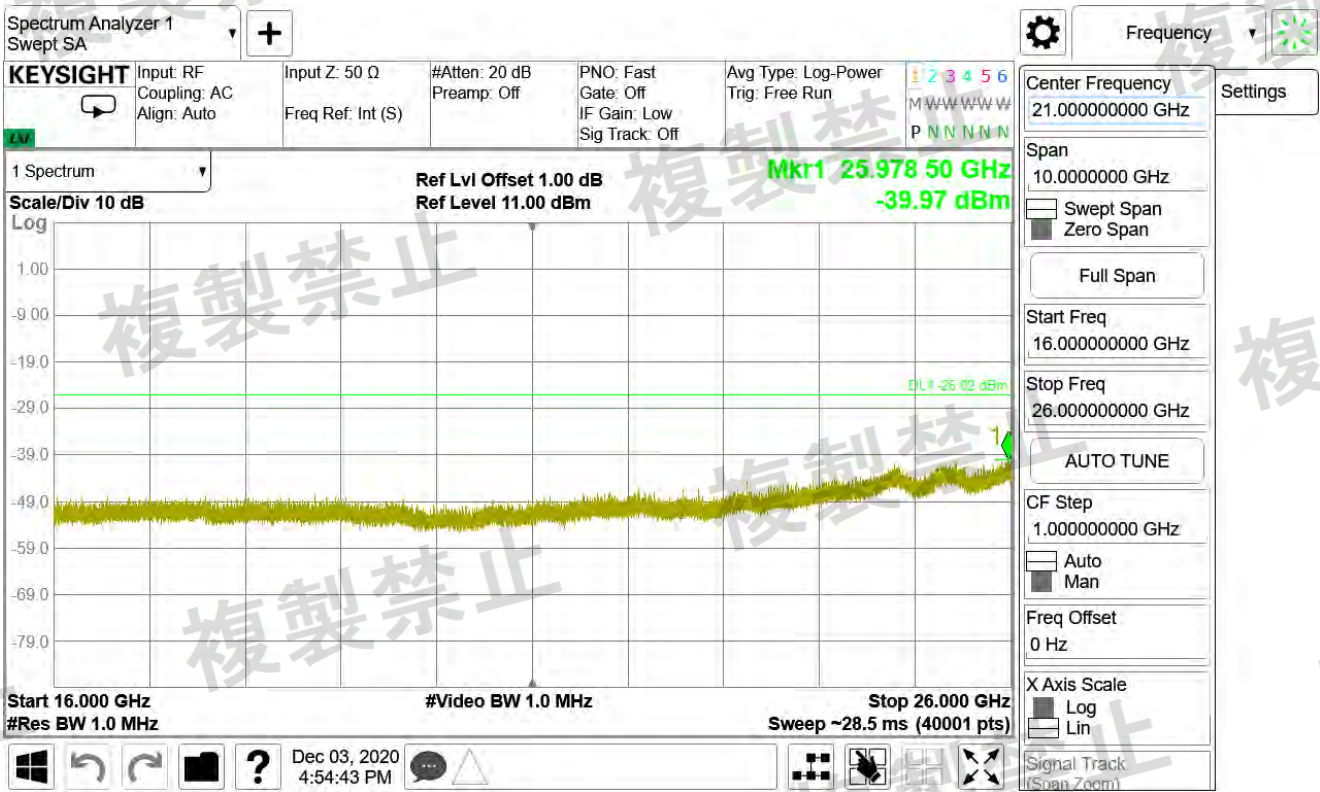
1000 – 5455MHz



5745– 16000MHz



16000 – 26000MHz



Test Result	PASS
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Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 – 1000	-65.61	-26 (2.5uW)
		1000 – 5455	-52.59	-26 (2.5uW)
		5745– 16000	-42.43	-26 (2.5uW)
		16000 – 26000	-40.38	-26 (2.5uW)

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF
Coupling: AC
Align: Auto

Input Z: 50 Ω
Freq Ref: Int (S)

#Atten: 20 dB
Preamp: Off

PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

Avg Type: Log-Power
Trig: Free Run

1 2 3 4 5 6
M W W W W W
P N N N N N

Center Frequency
515.000000 MHz

Span
970.000000 MHz

☐ Swept Span
☒ Zero Span

Full Span

Start Freq
30.000000 MHz

Stop Freq
1.000000000 GHz

AUTO TUNE

CF Step
97.0000000 MHz

☐ Auto
☒ Man

Freq Offset
0 Hz

X Axis Scale
☒ Log
☐ Lin

Signal Track
(Span Zoom)

1 Spectrum

Scale/Div 10 dB

Log

Ref Lvl Offset 1.00 dB
Ref Level 11.00 dBm

Mkr1 887.383 MHz
-65.61 dBm

DL1 -26.02 dBm

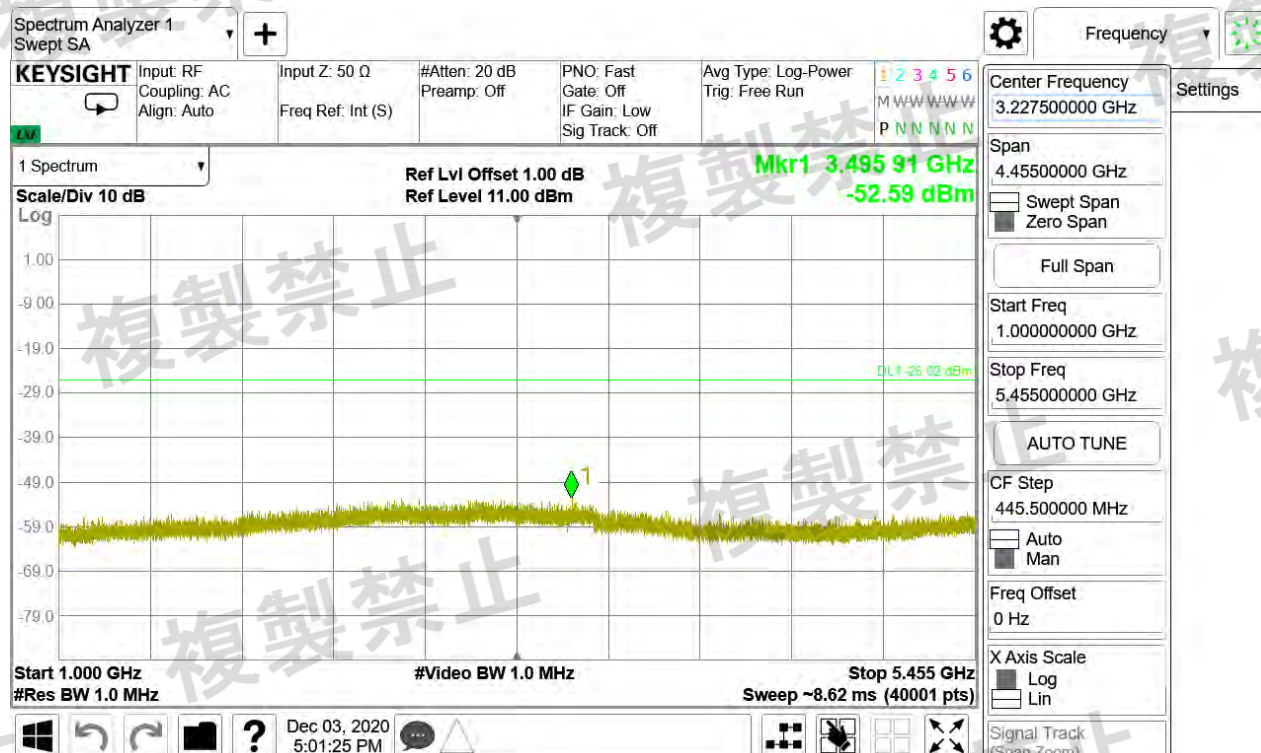
Start 0.0300 GHz
#Res BW 100 kHz

#Video BW 100 kHz

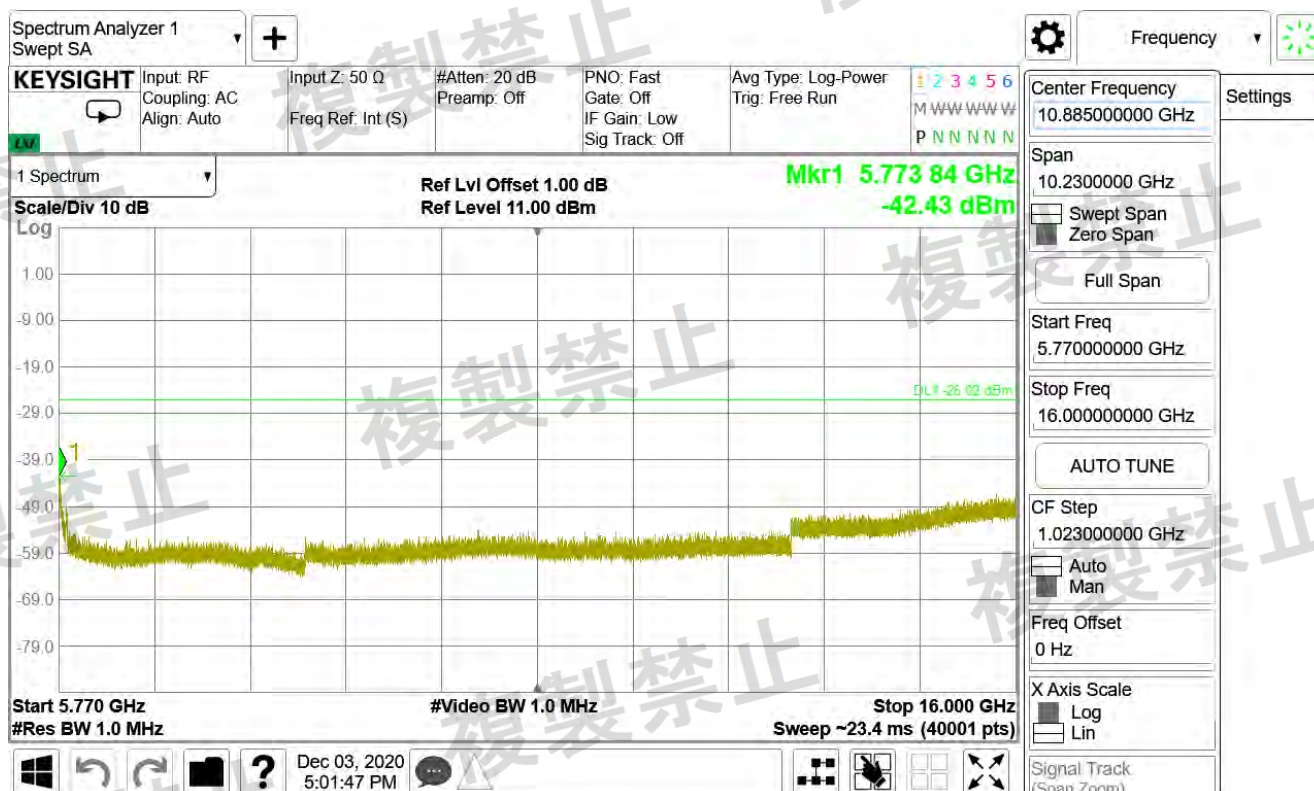
Stop 1.0000 GHz
Sweep ~118 ms (40001 pts)

Dec 03, 2020
5:01:05 PM

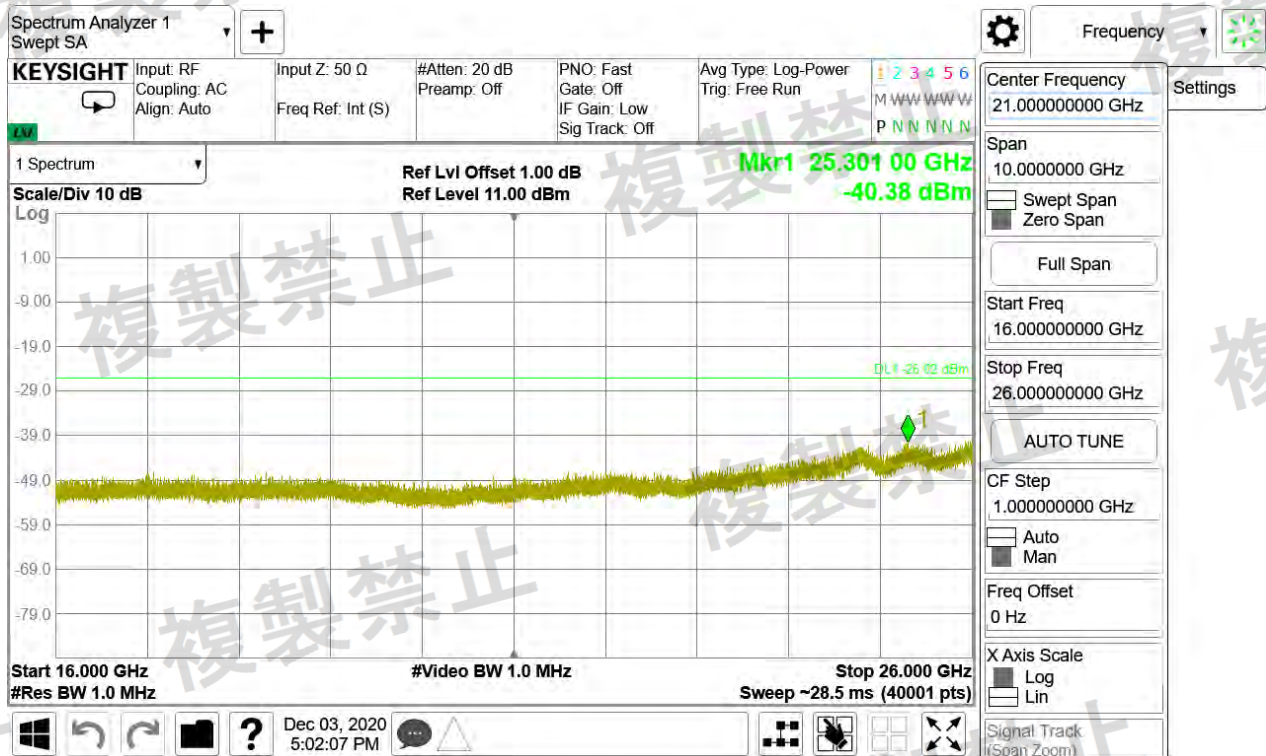
1000 – 5455MHz



5745– 16000MHz



16000 – 26000MHz



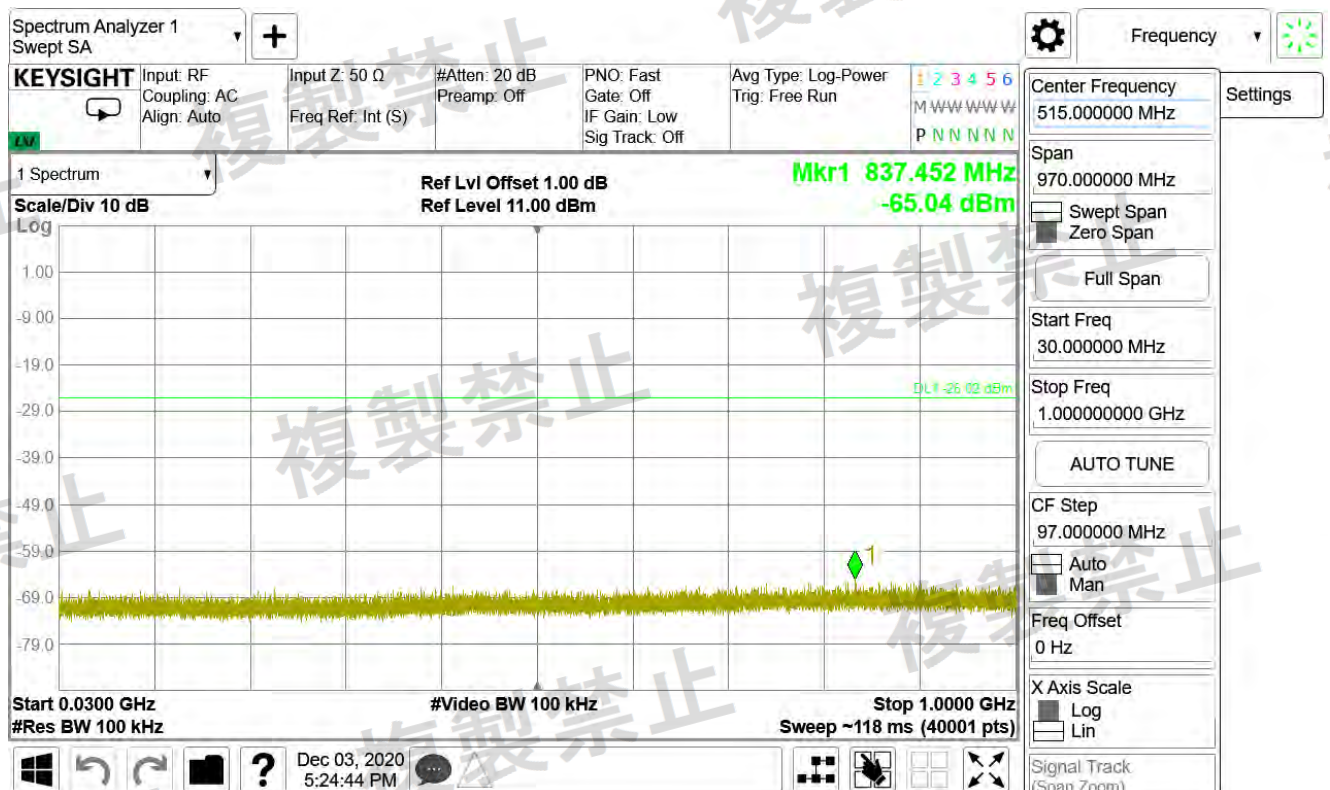
Test Result

PASS

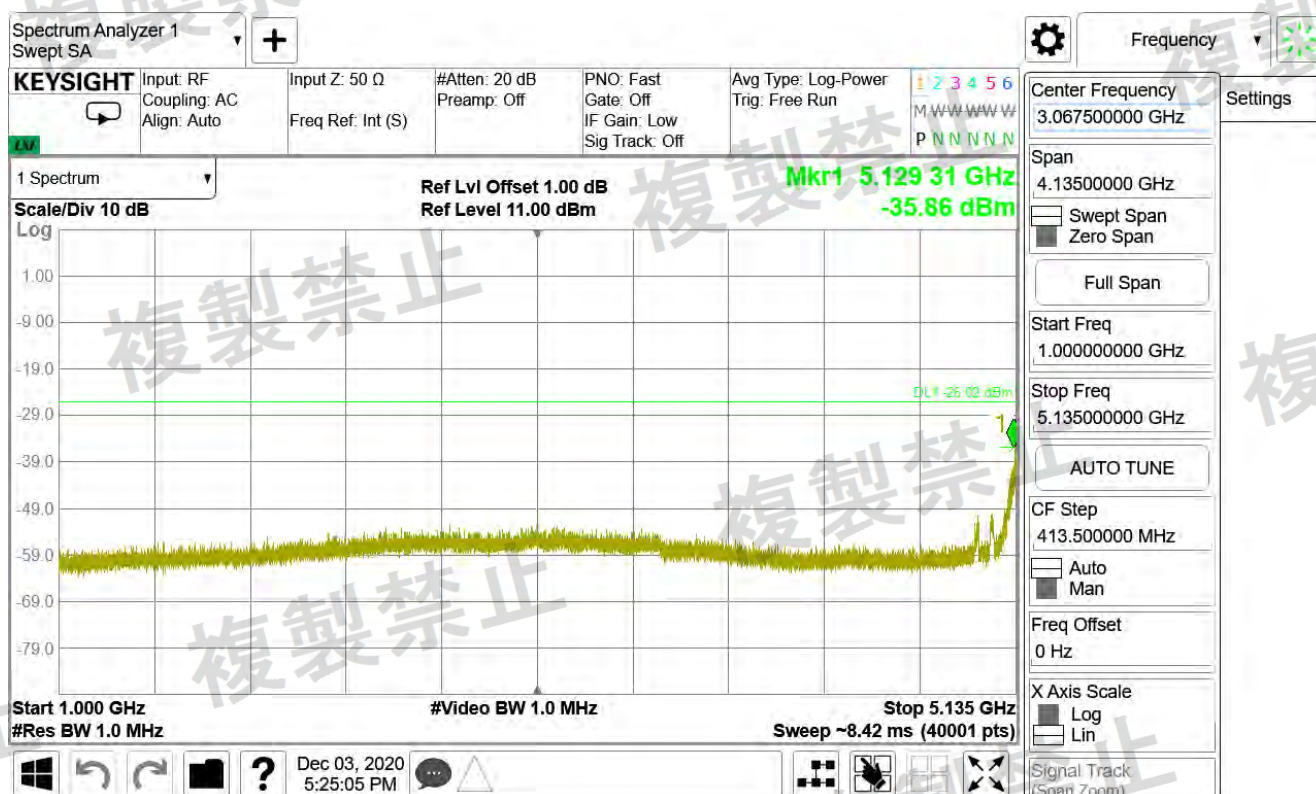
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 2: Transmit (802.11n-20BW) 5180MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 - 1000	-65.04	-26 (2.5uW)
		1000 - 5135	-35.86	-26 (2.5uW)
		5365- 16000	-42.62	-26 (2.5uW)
		16000 - 26000	-39.71	-26 (2.5uW)

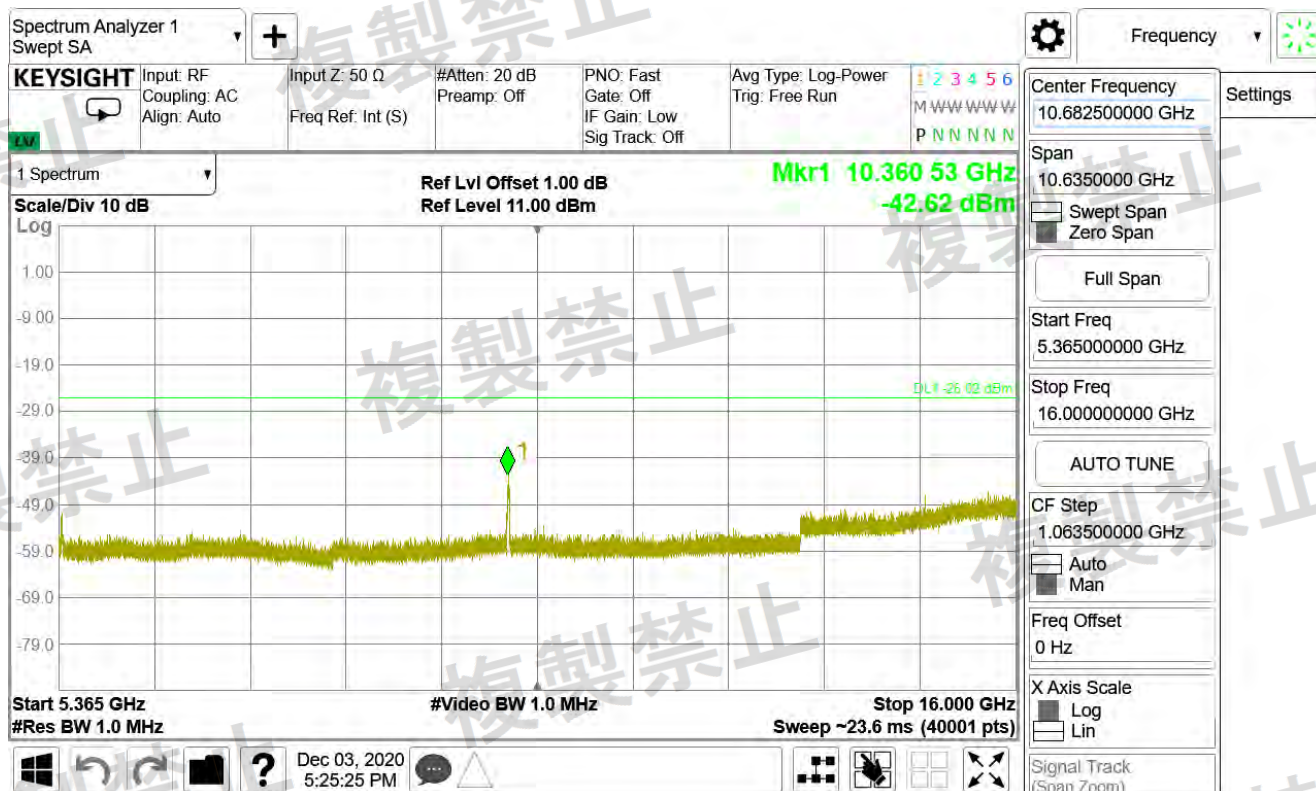
30 - 1000 MHz



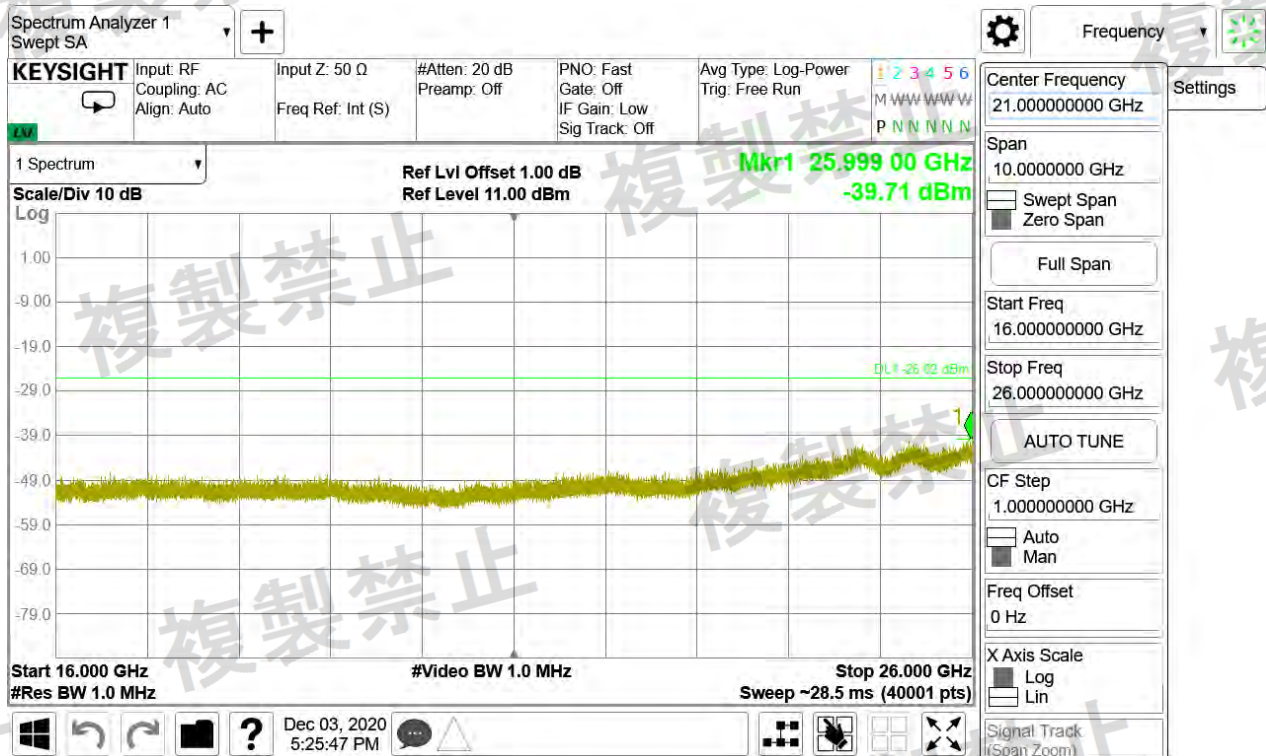
1000 – 5135MHz



5365– 16000MHz



16000 – 26000MHz



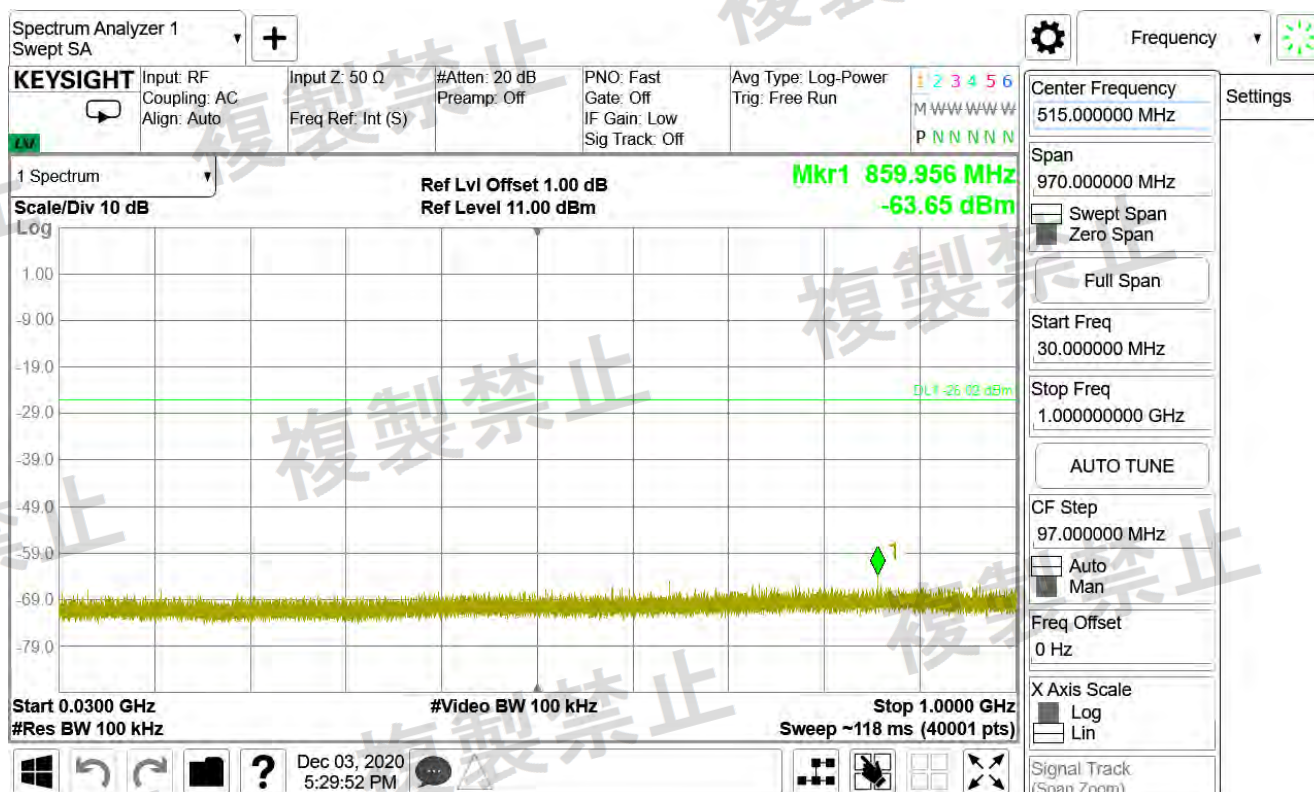
Test Result

PASS

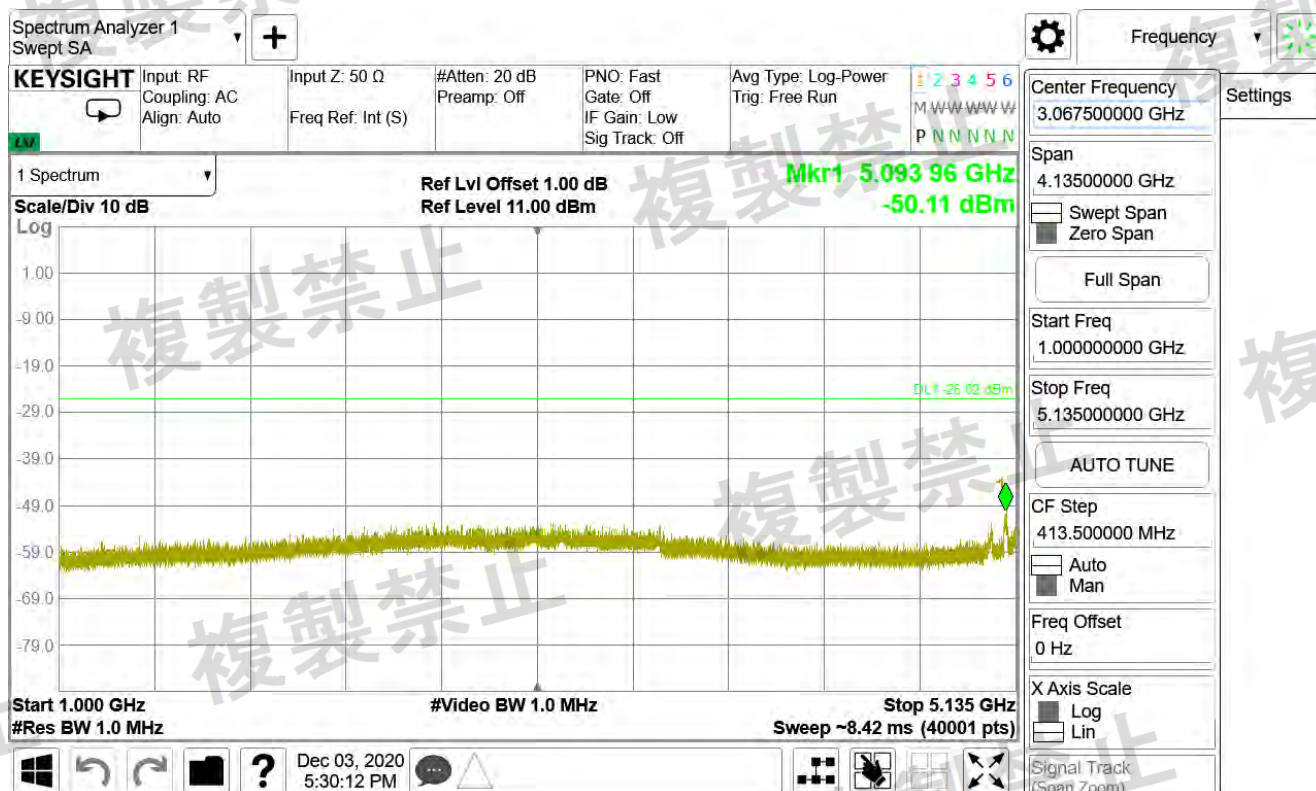
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 2: Transmit (802.11n-20BW) 5240MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 - 1000	-63.65	-26 (2.5uW)
		1000 - 5135	-50.11	-26 (2.5uW)
		5365- 16000	-44.60	-26 (2.5uW)
		16000 - 26000	-40.48	-26 (2.5uW)

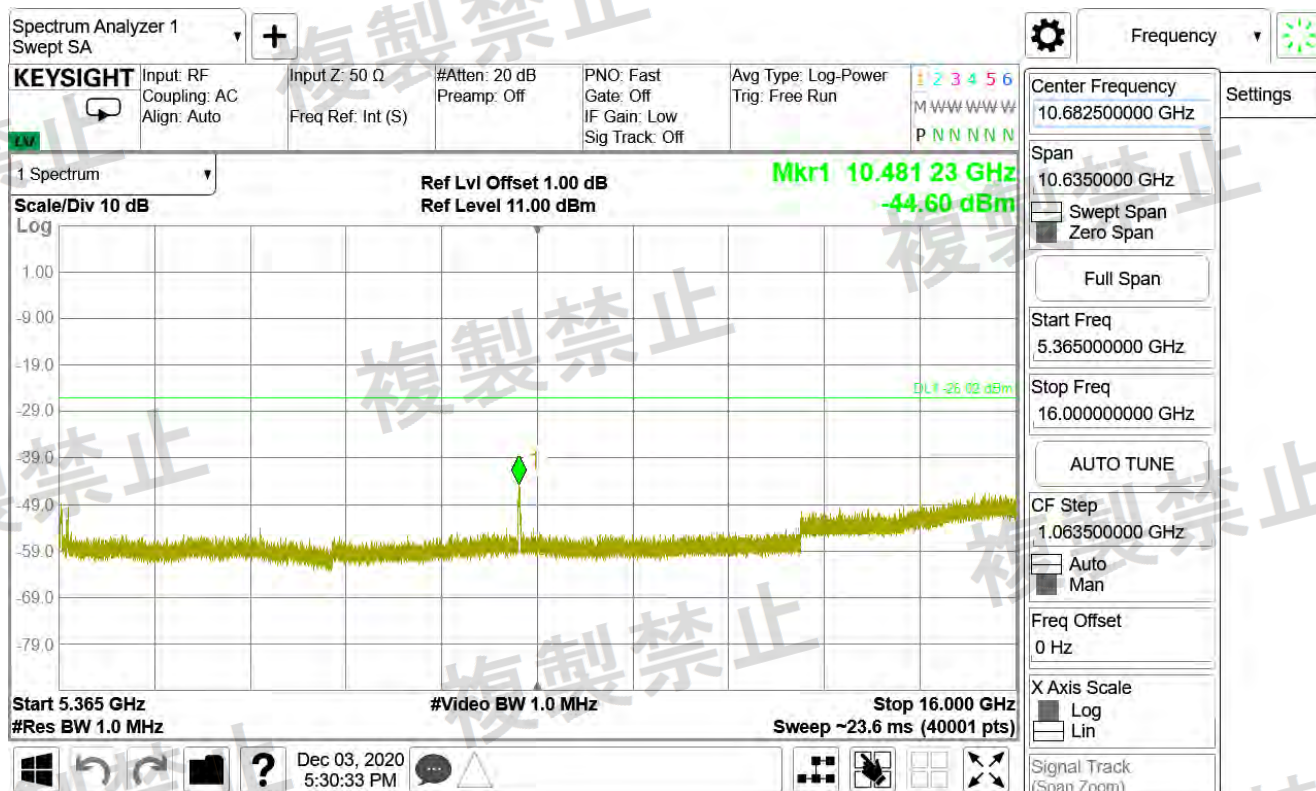
30 - 1000 MHz



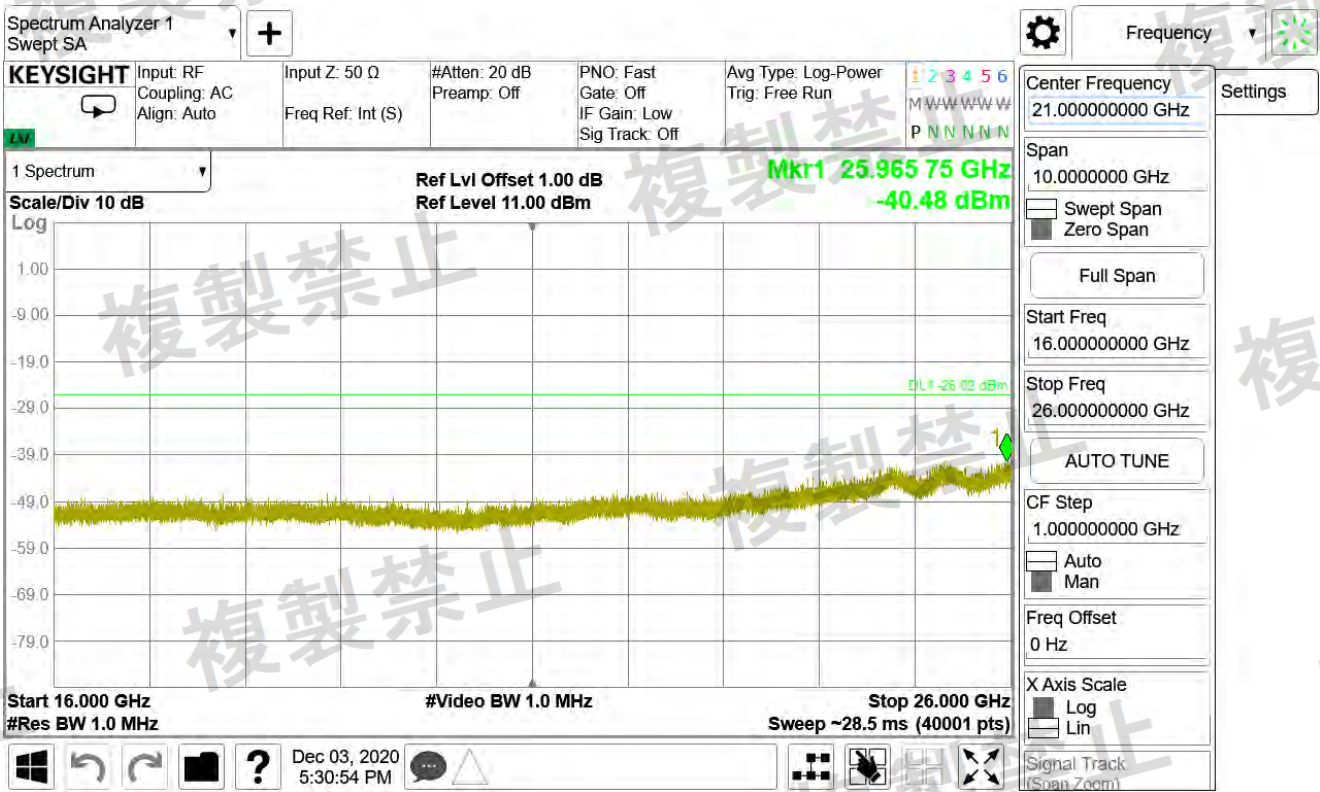
1000 – 5135MHz



5365– 16000MHz



16000 – 26000MHz

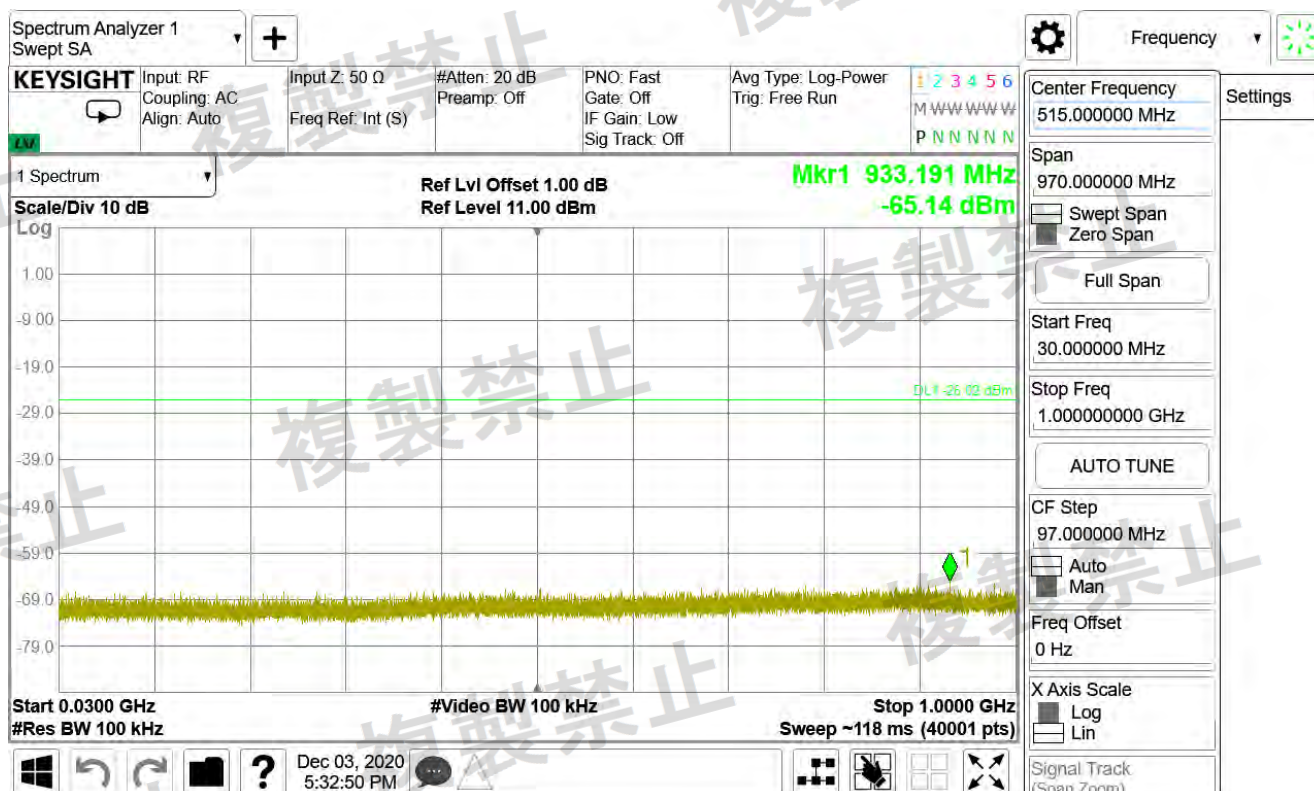


Test Result	PASS
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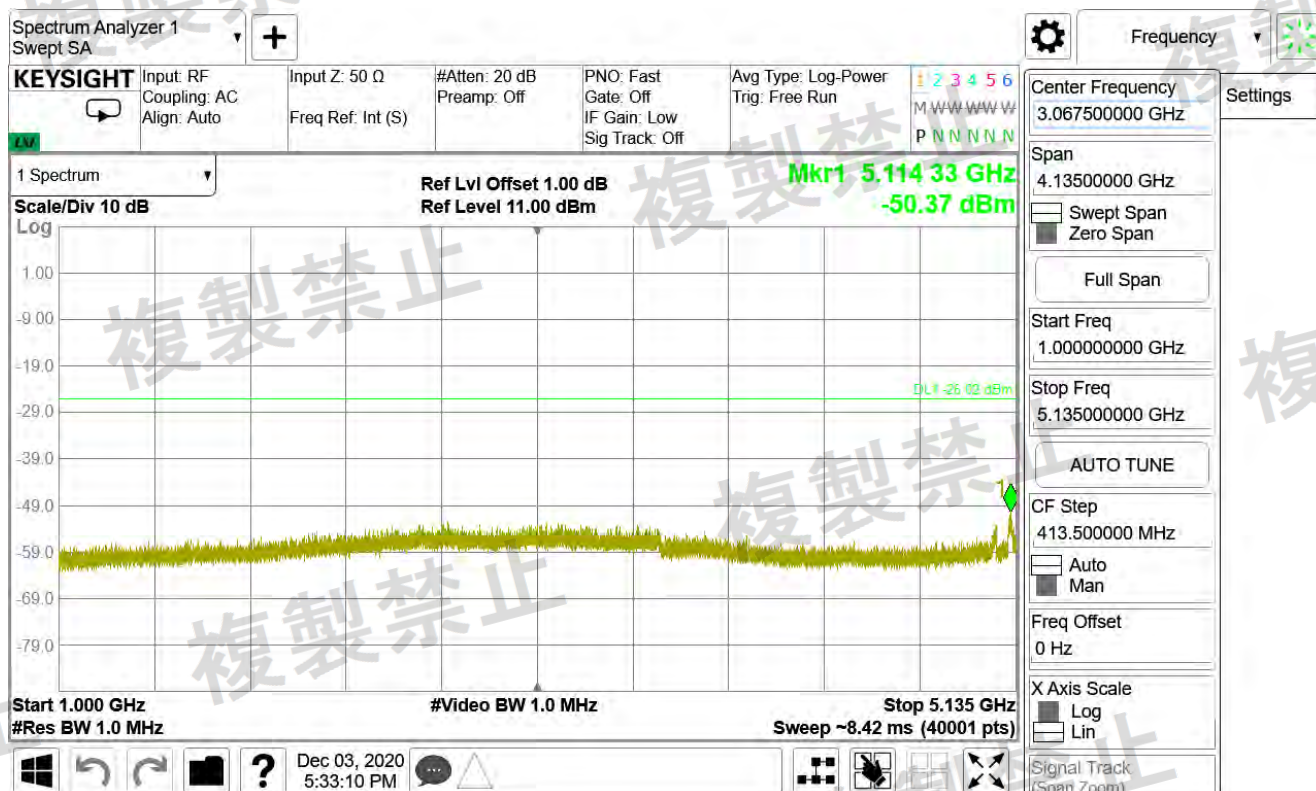
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 2: Transmit (802.11n-20BW) 5260MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 - 1000	-65.14	-26 (2.5uW)
		1000 - 5135	-50.37	-26 (2.5uW)
		5365- 16000	-44.87	-26 (2.5uW)
		16000 - 26000	-39.09	-26 (2.5uW)

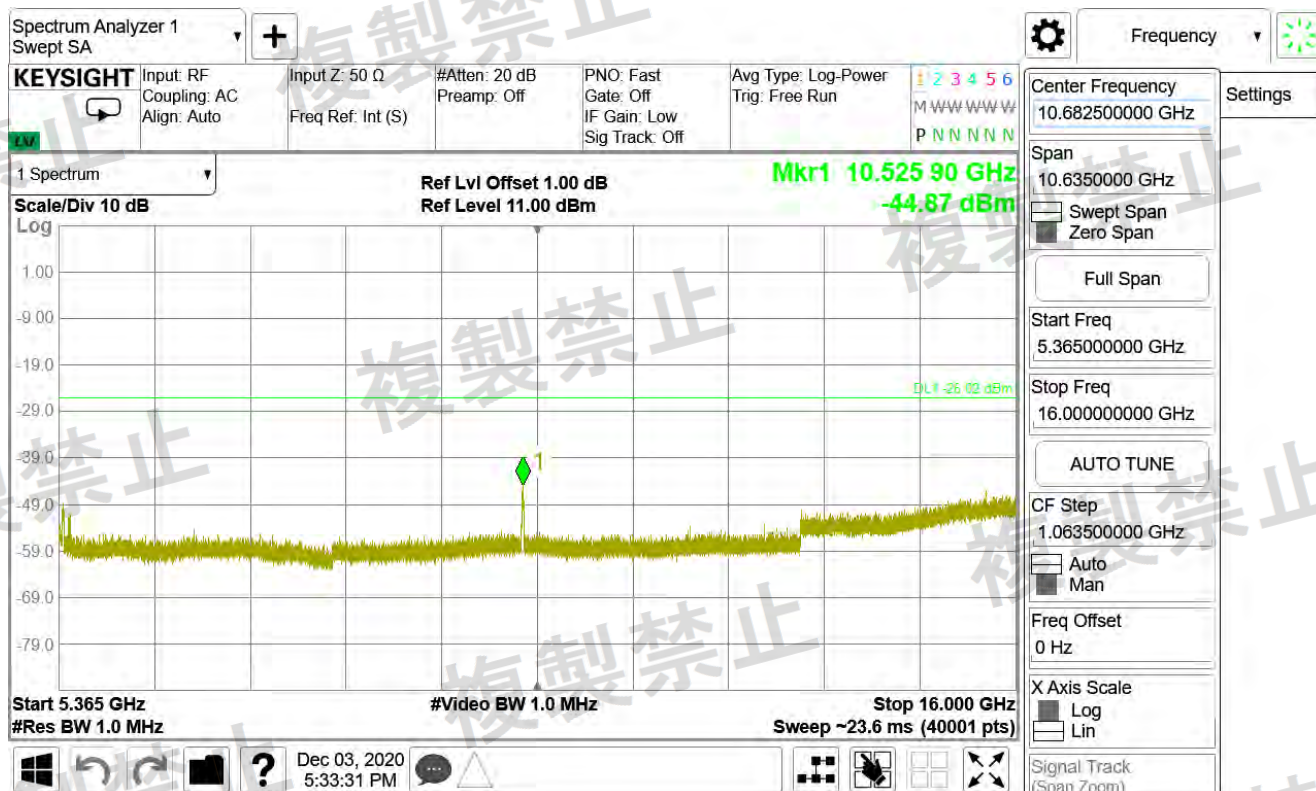
30 - 1000 MHz



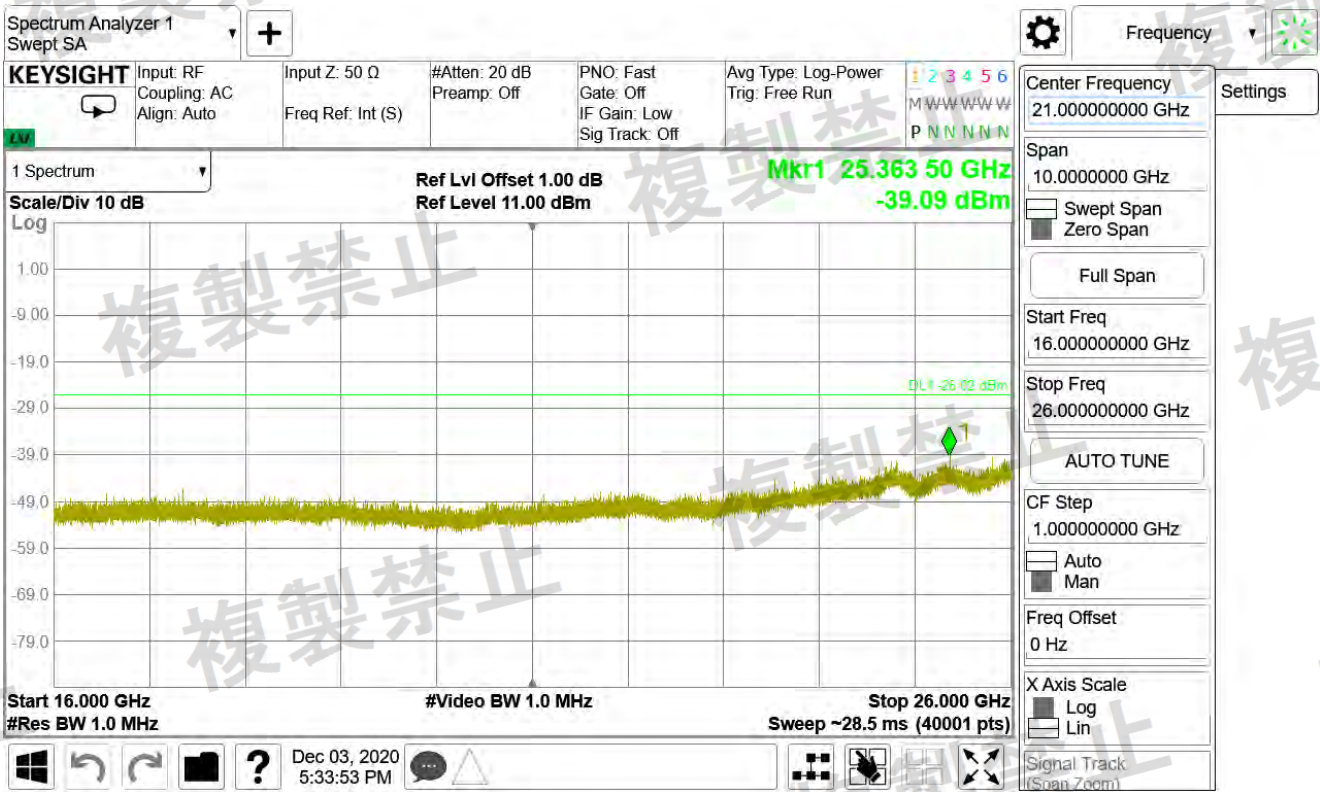
1000 – 5135MHz



5365– 16000MHz



16000 – 26000MHz

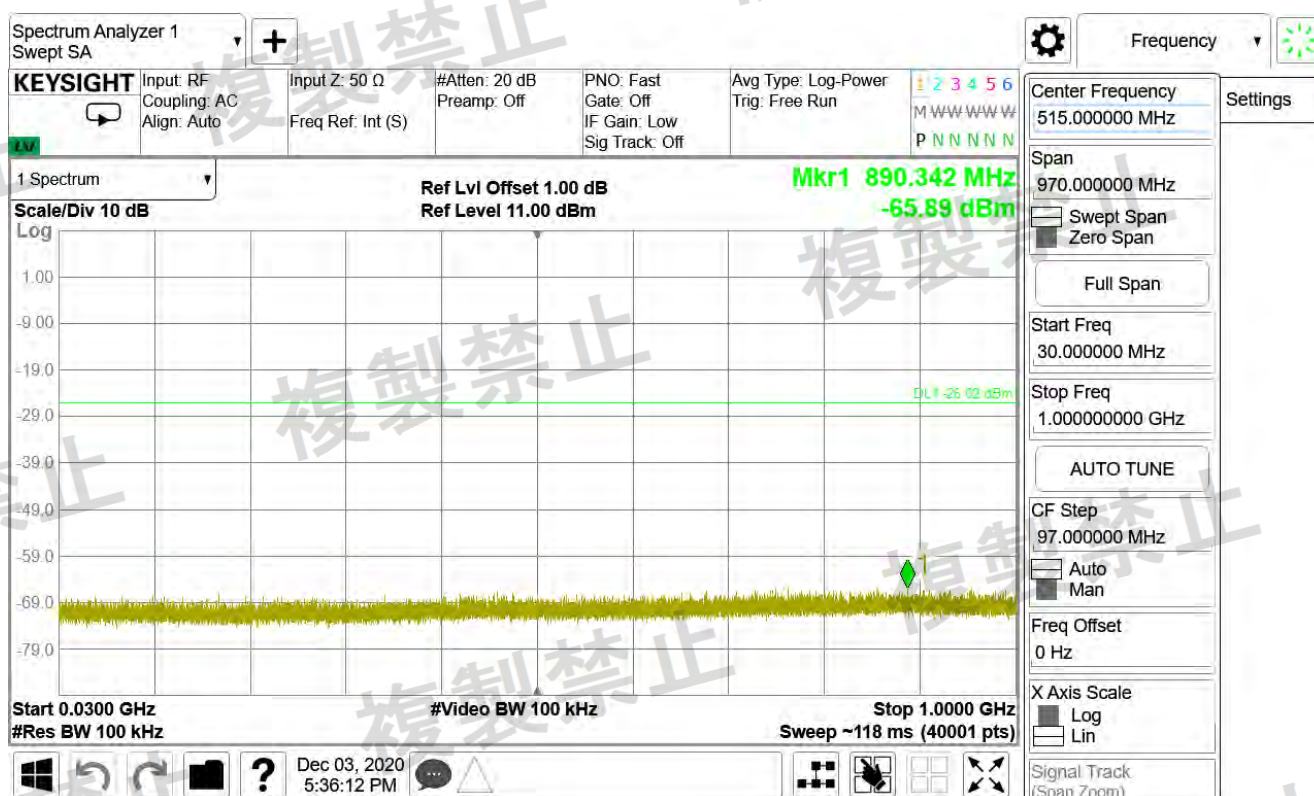


Test Result	PASS
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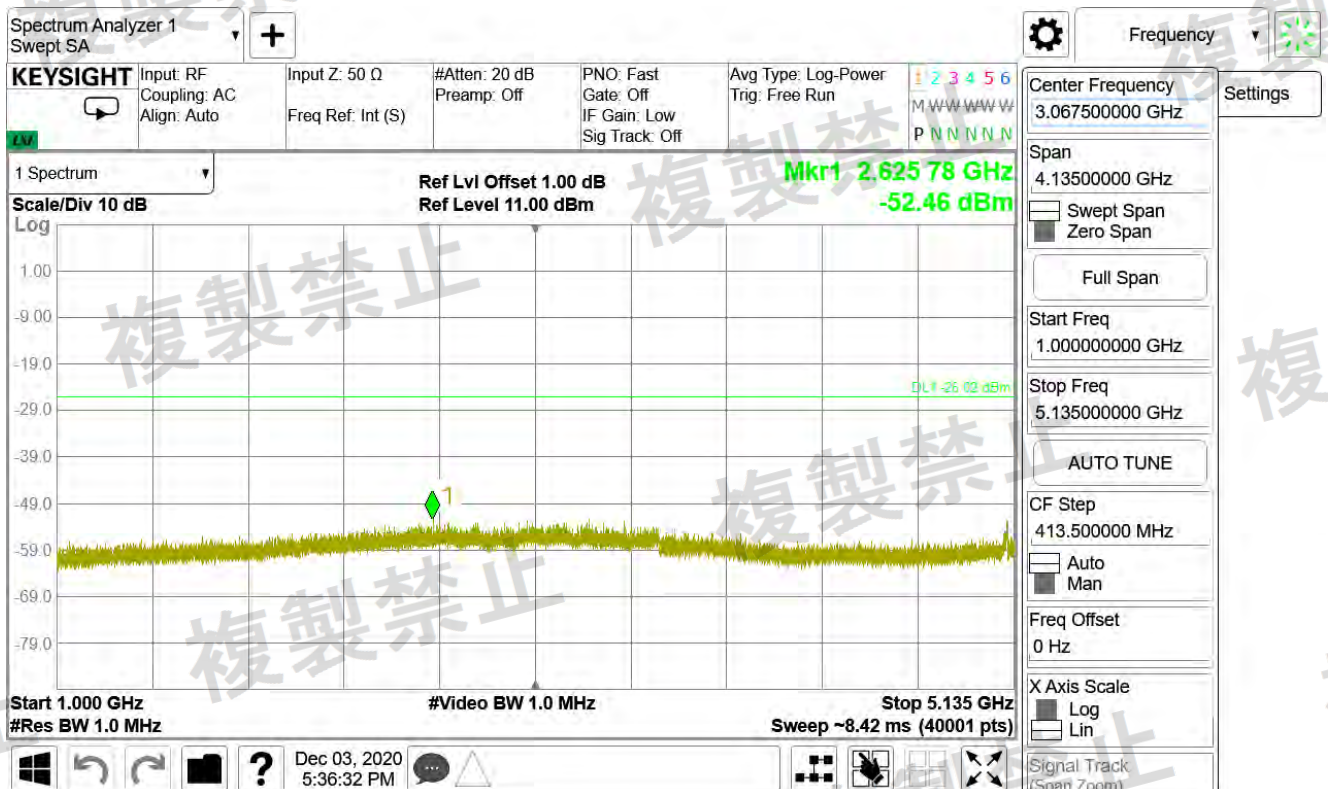
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 2: Transmit (802.11n-20BW) 5320MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 - 1000	-65.89	-26 (2.5uW)
		1000 - 5135	-52.46	-26 (2.5uW)
		5365- 16000	-36.44	-26 (2.5uW)
		16000 - 26000	-39.54	-26 (2.5uW)

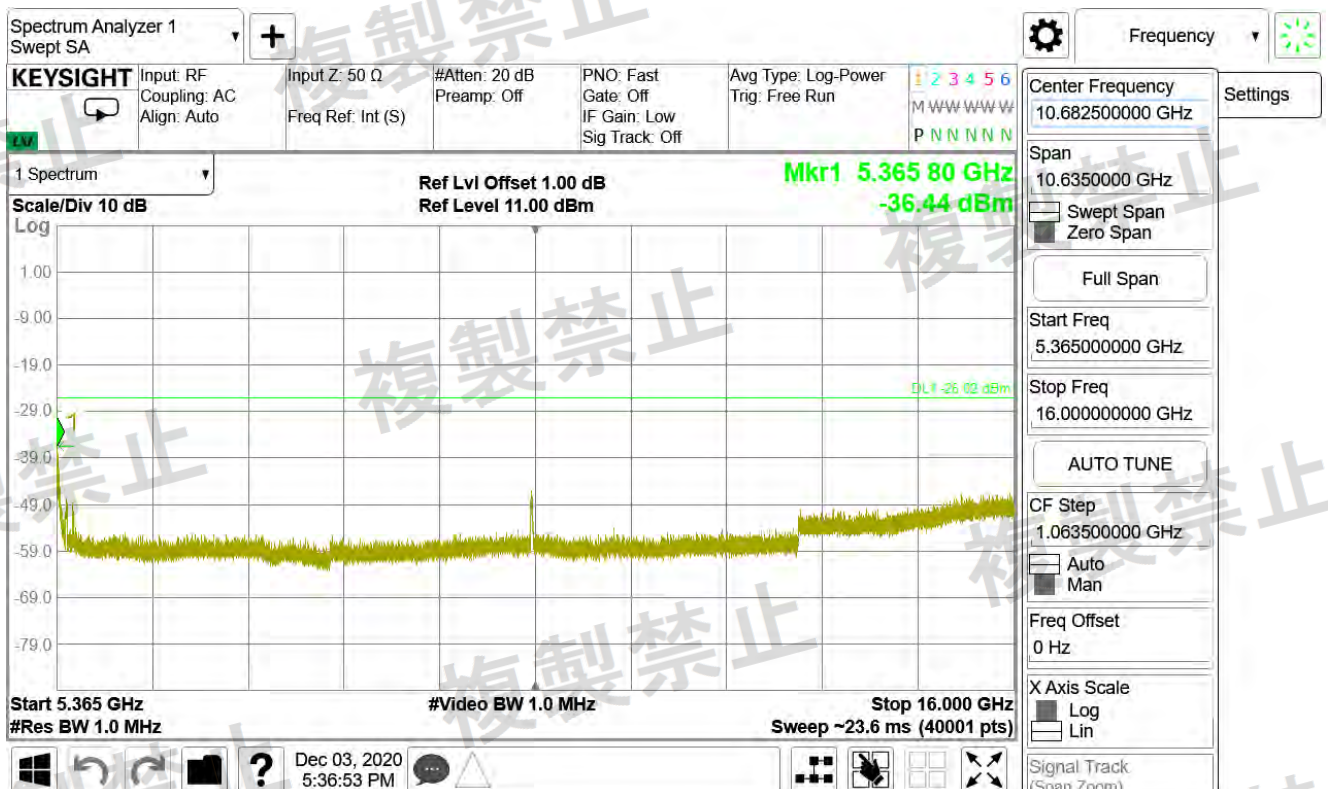
30 - 1000 MHz



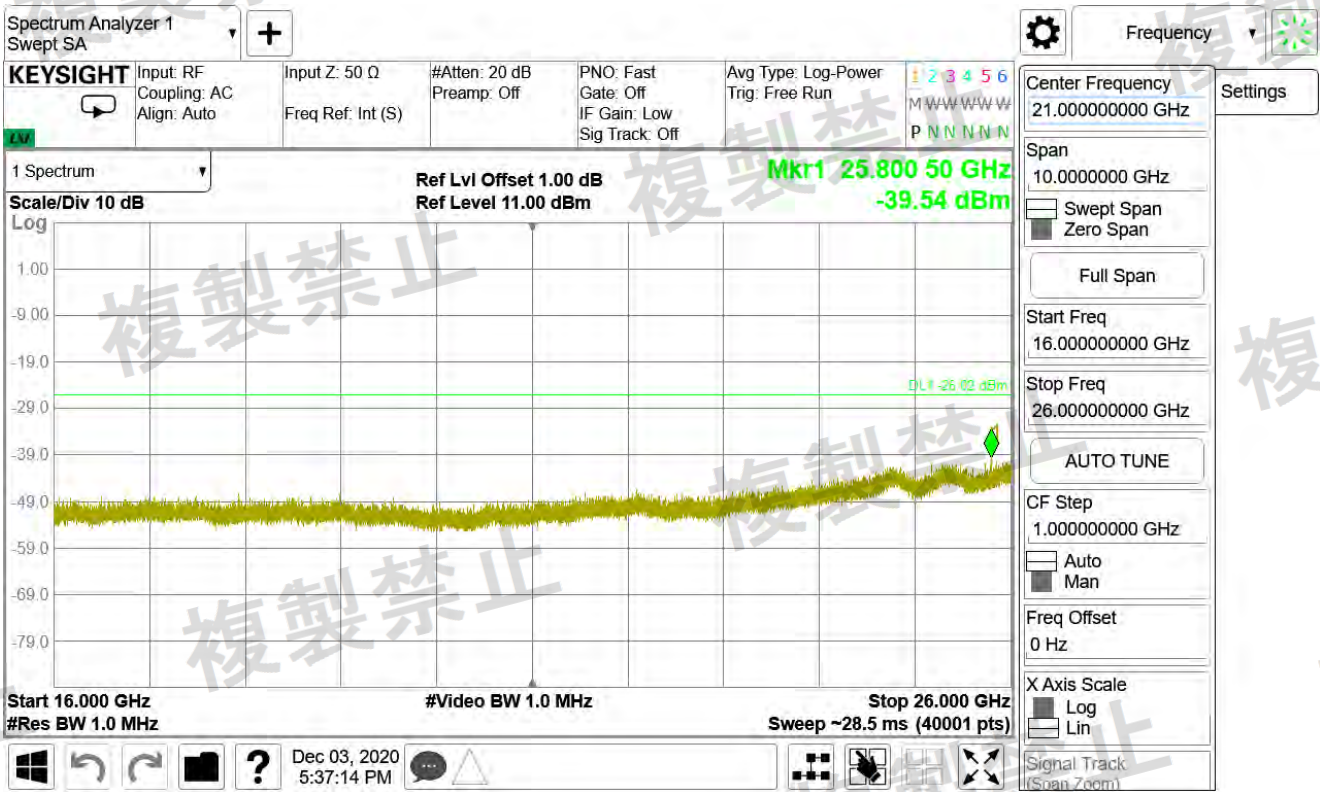
1000 – 5135MHz



5365– 16000MHz



16000 – 26000MHz

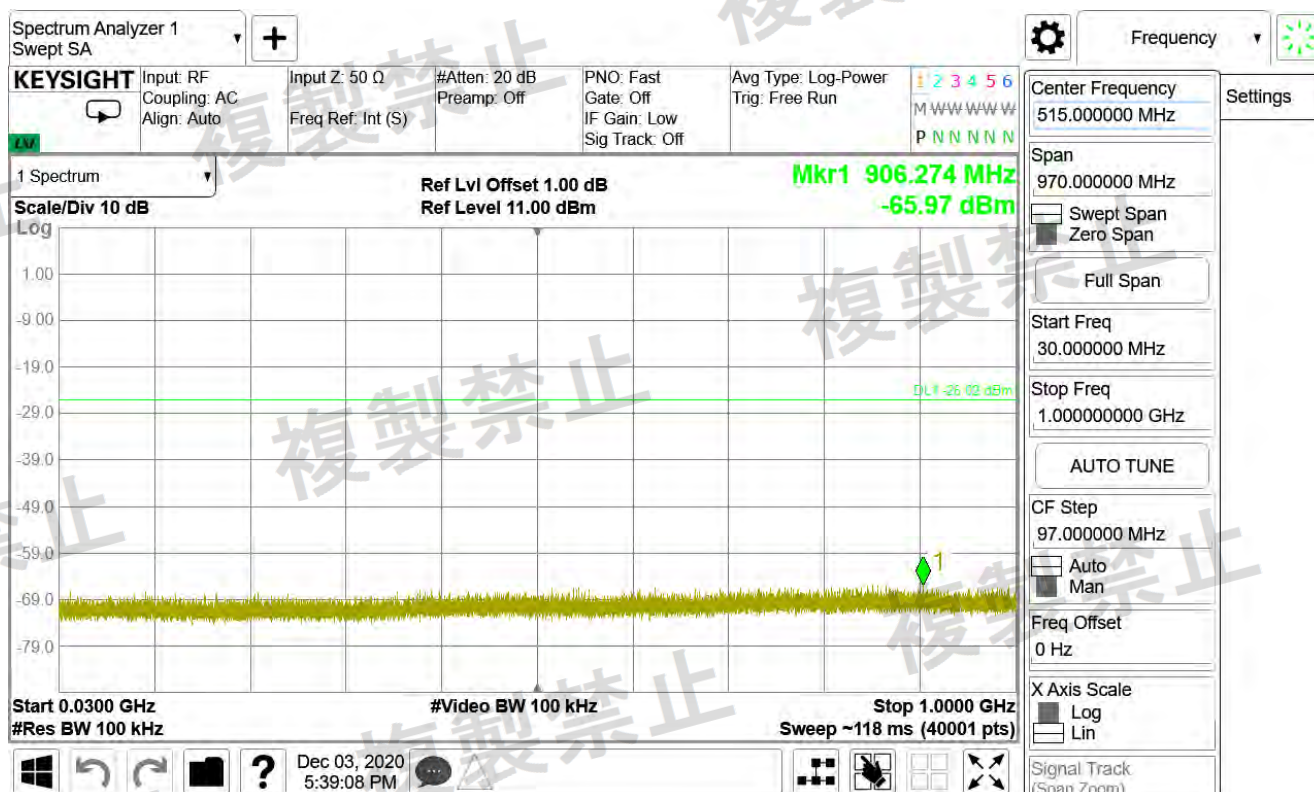


Test Result	PASS
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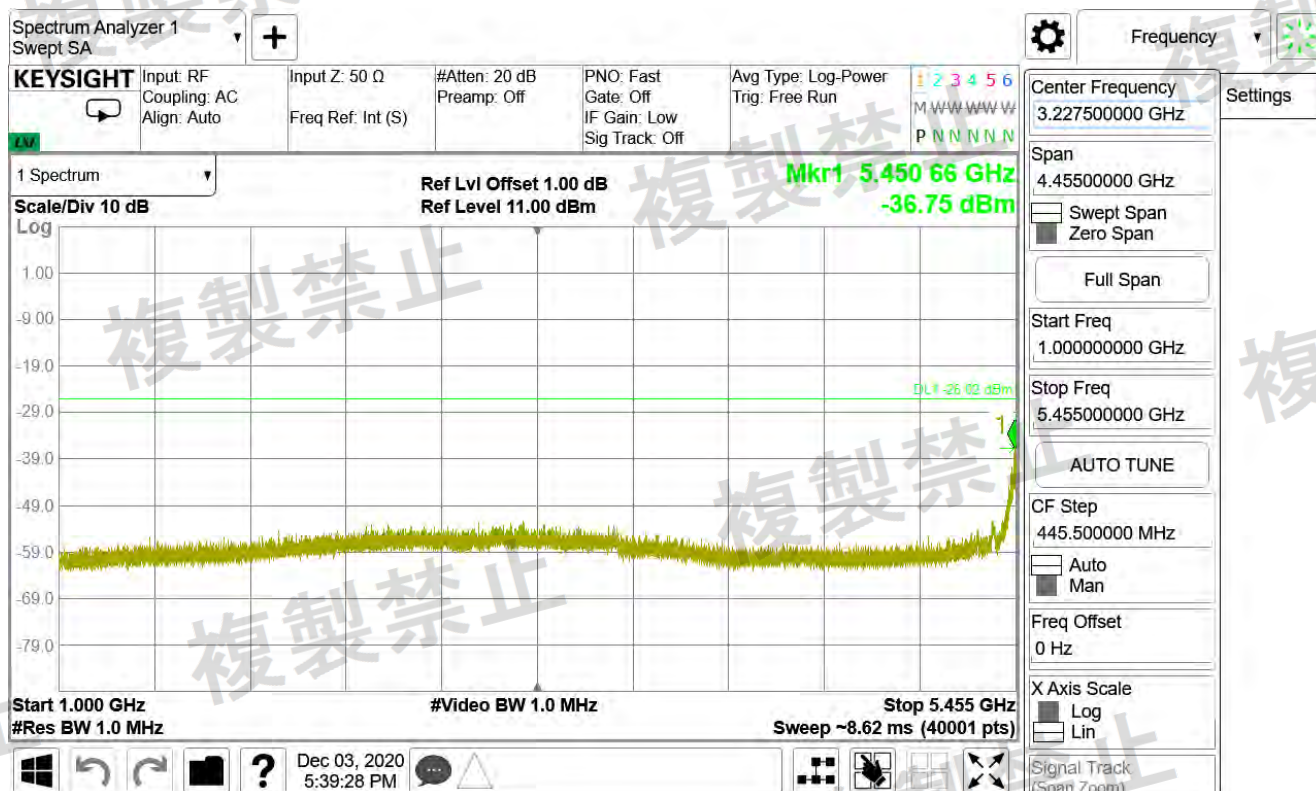
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 2: Transmit (802.11n-20BW) 5500MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 - 1000	-65.97	-26 (2.5uW)
		1000 - 5455	-36.75	-26 (2.5uW)
		5745- 16000	-45.86	-26 (2.5uW)
		16000 - 26000	-40.24	-26 (2.5uW)

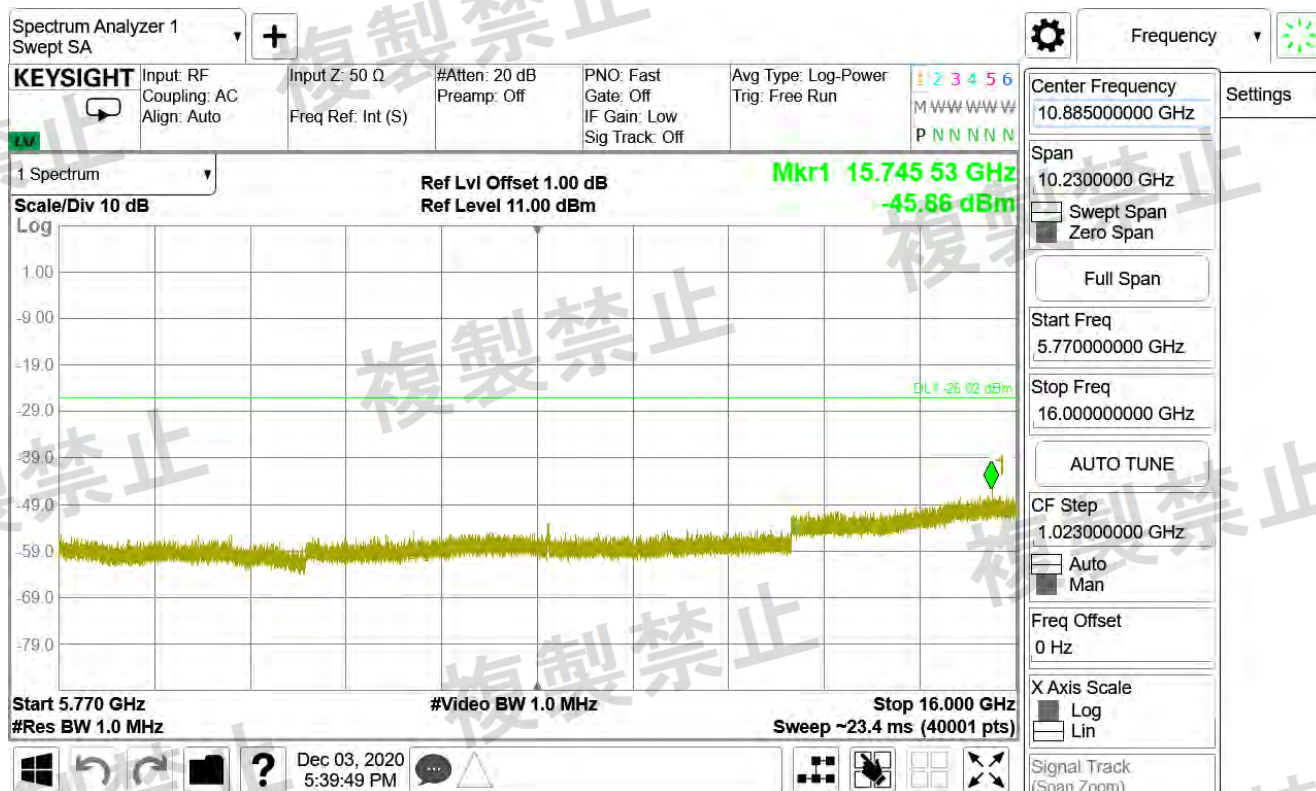
30 - 1000 MHz



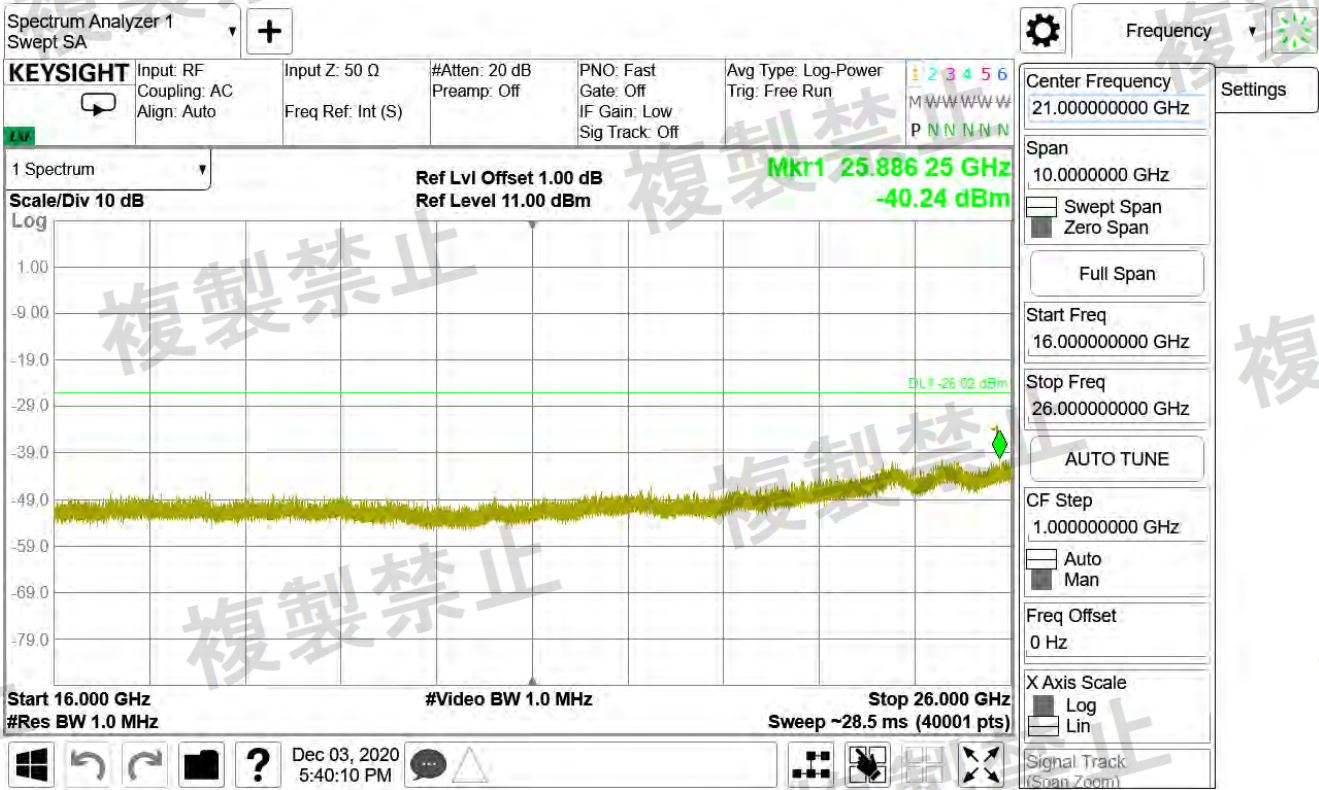
1000 – 5455MHz



5745– 16000MHz



16000 – 26000MHz

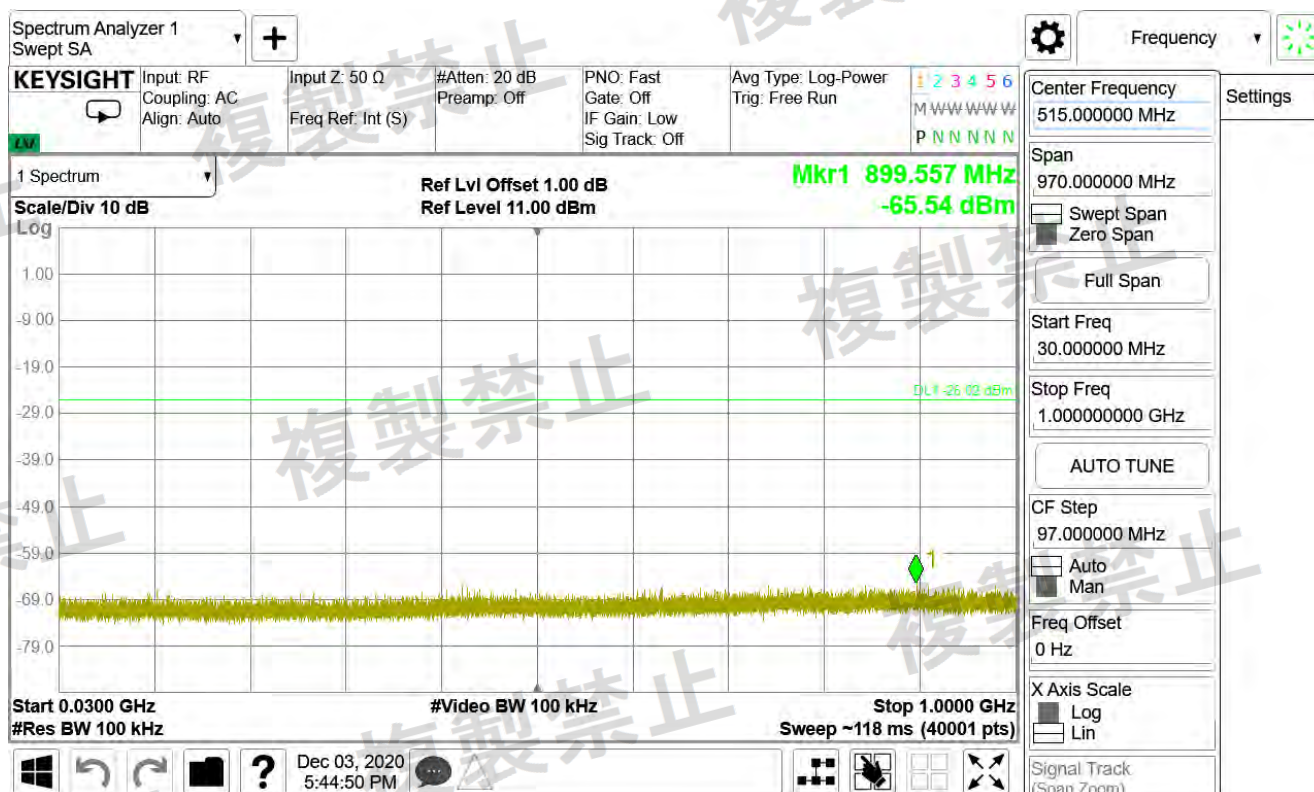


Test Result	PASS
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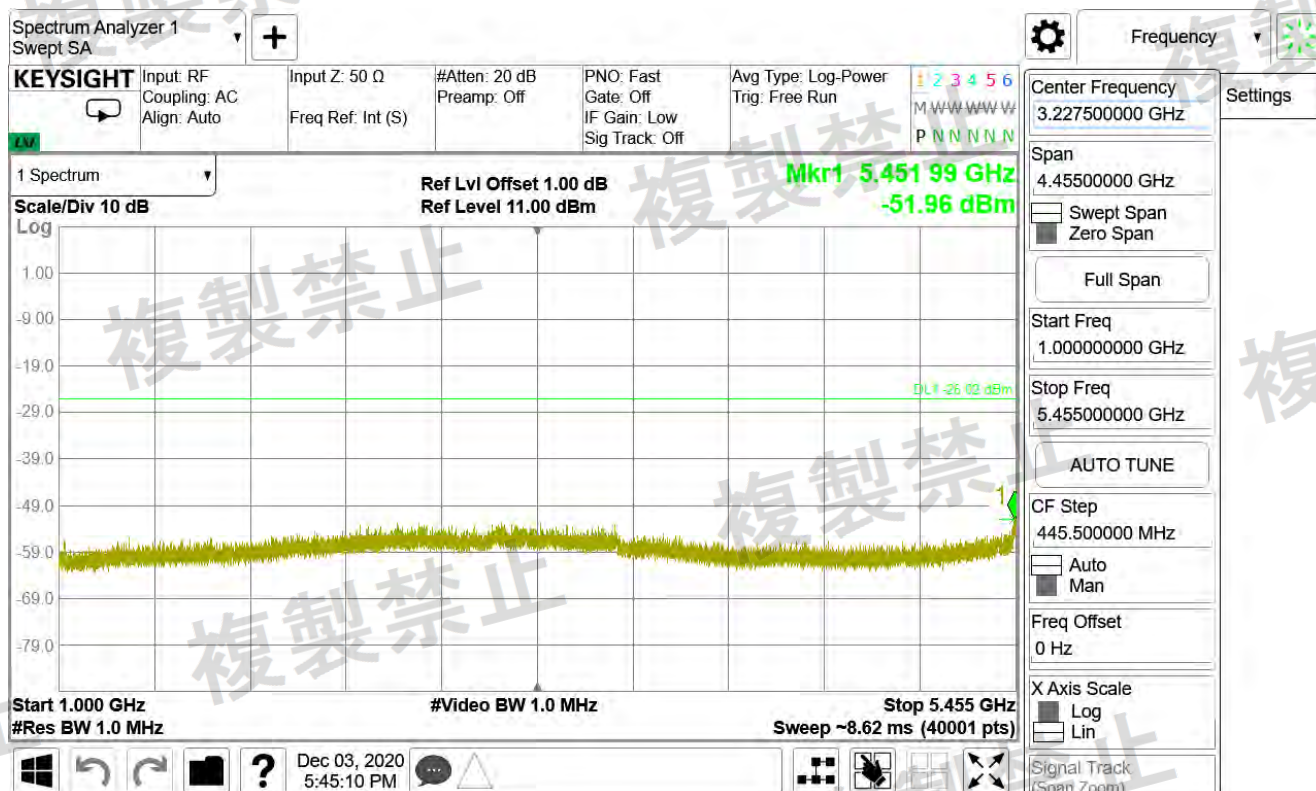
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 2: Transmit (802.11n-20BW) 5600MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 - 1000	-65.54	-26 (2.5uW)
		1000 - 5455	-51.96	-26 (2.5uW)
		5745- 16000	-45.94	-26 (2.5uW)
		16000 - 26000	-40.06	-26 (2.5uW)

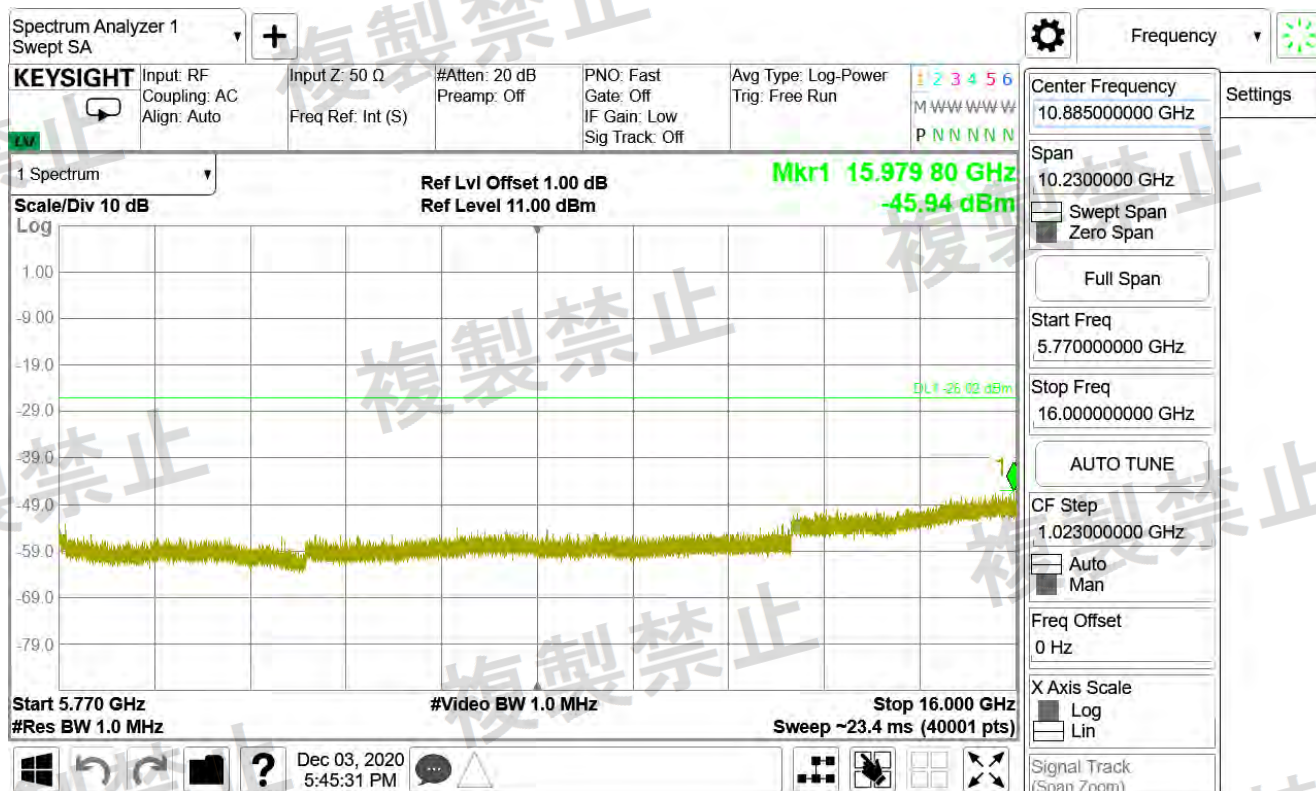
30 - 1000 MHz



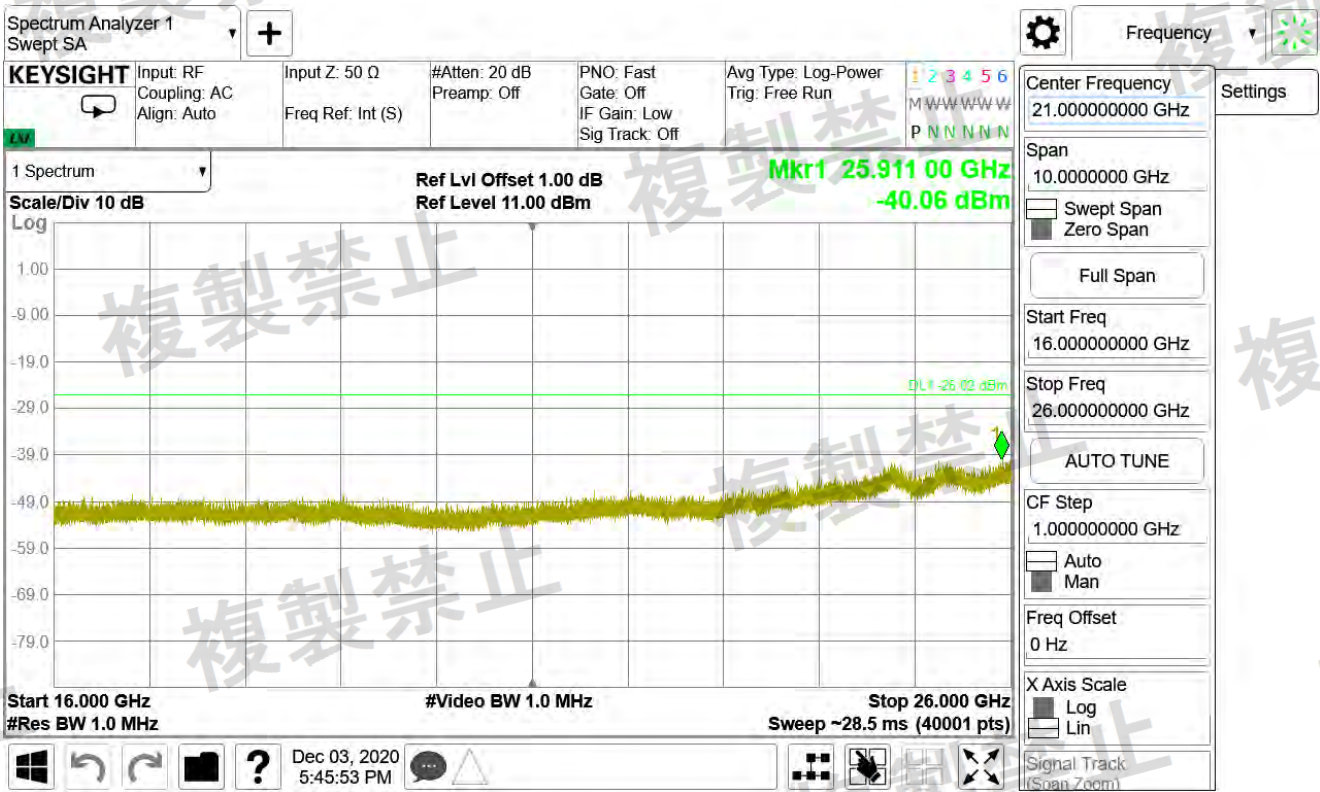
1000 – 5455MHz



5745– 16000MHz



16000 – 26000MHz

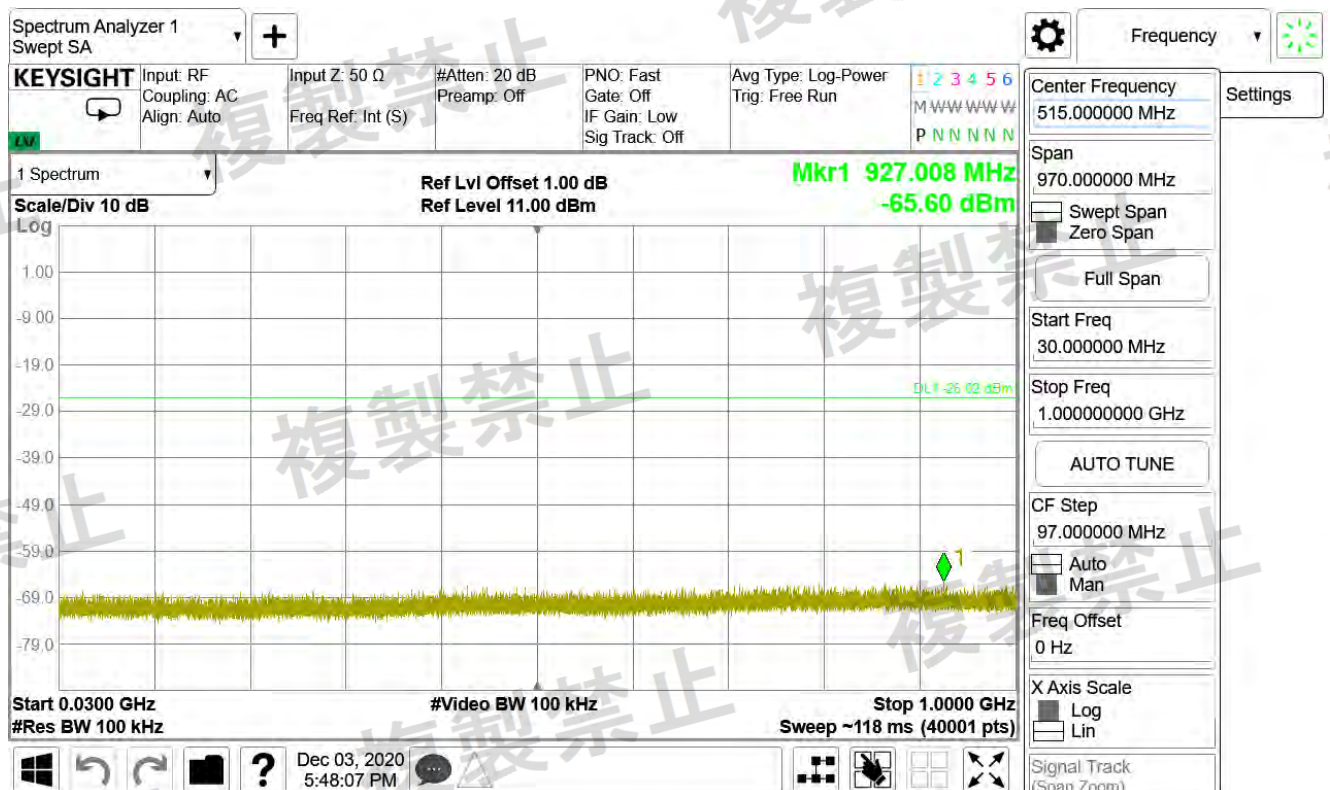


Test Result	PASS
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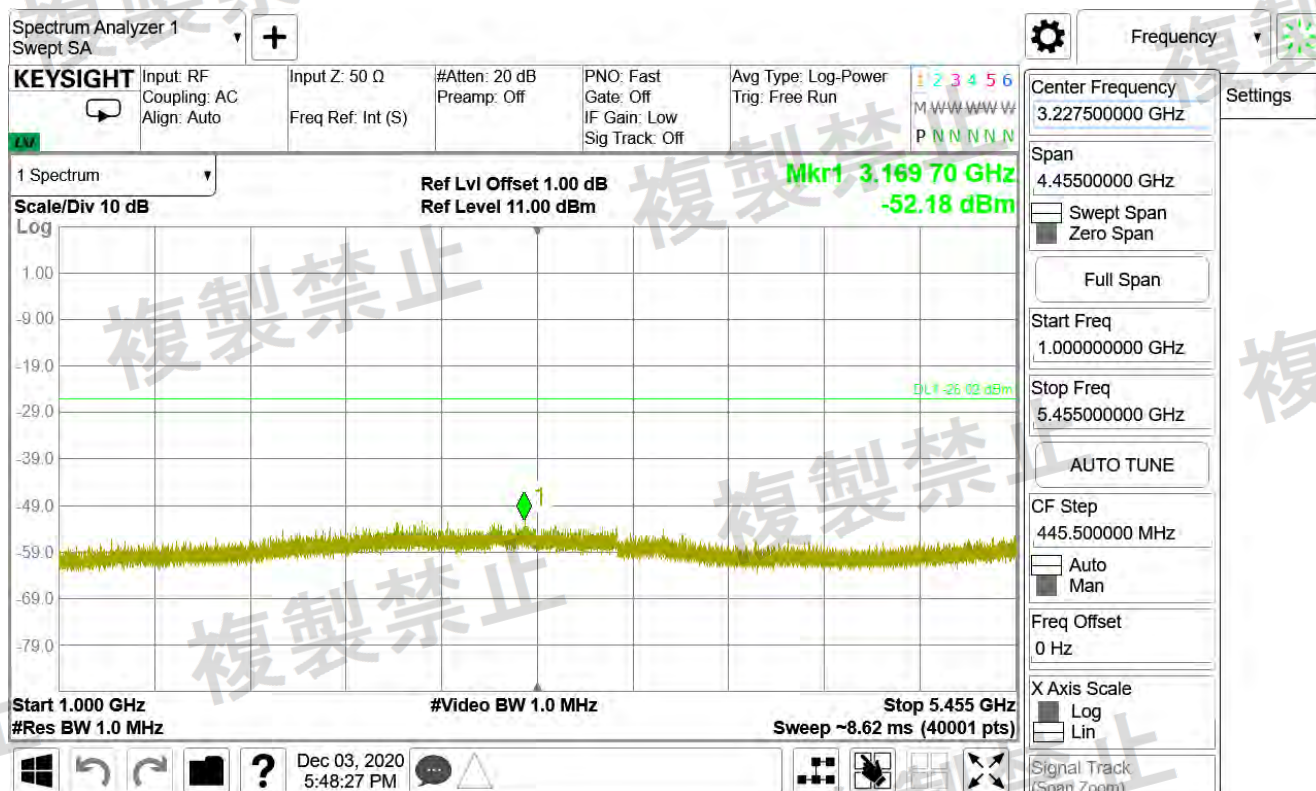
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 2: Transmit (802.11n-20BW) 5700MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 - 1000	-65.60	-26 (2.5uW)
		1000 - 5455	-52.18	-26 (2.5uW)
		5745- 16000	-42.97	-26 (2.5uW)
		16000 - 26000	-40.31	-26 (2.5uW)

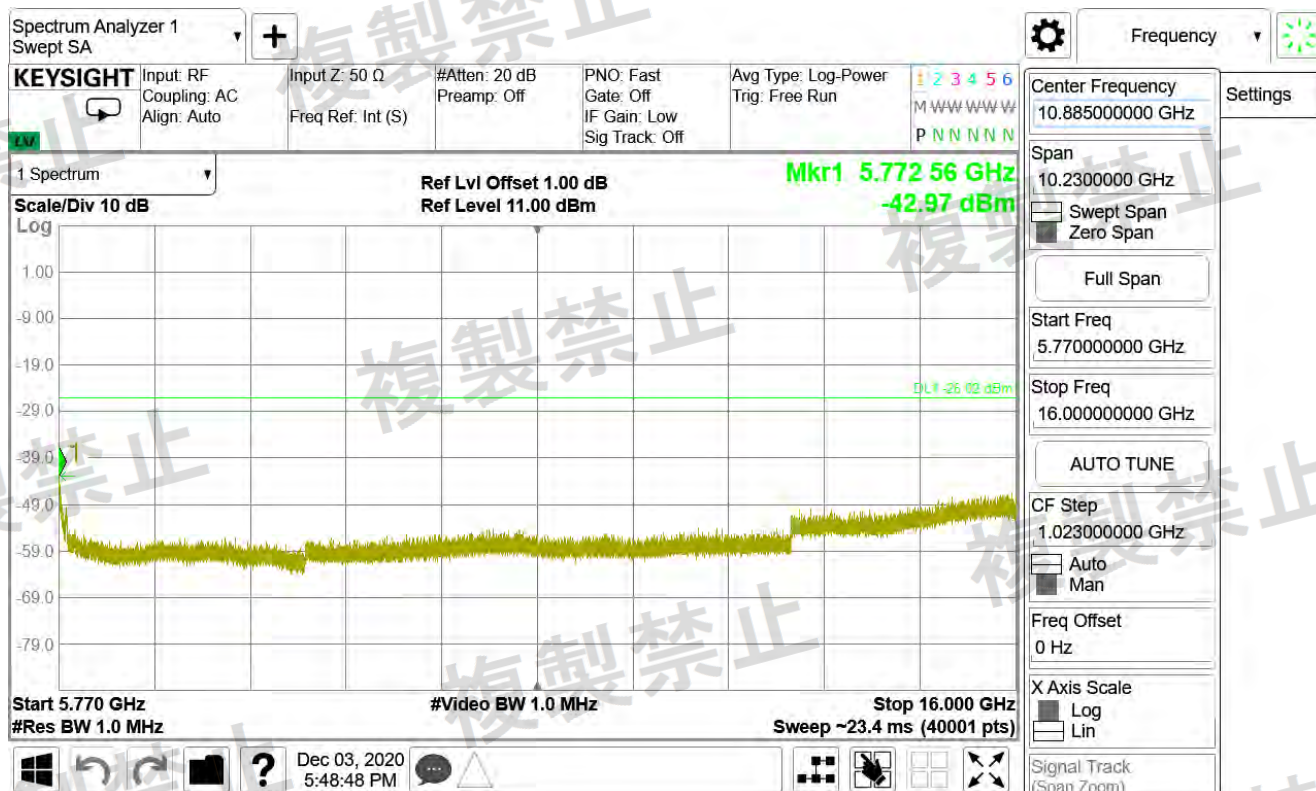
30 - 1000 MHz



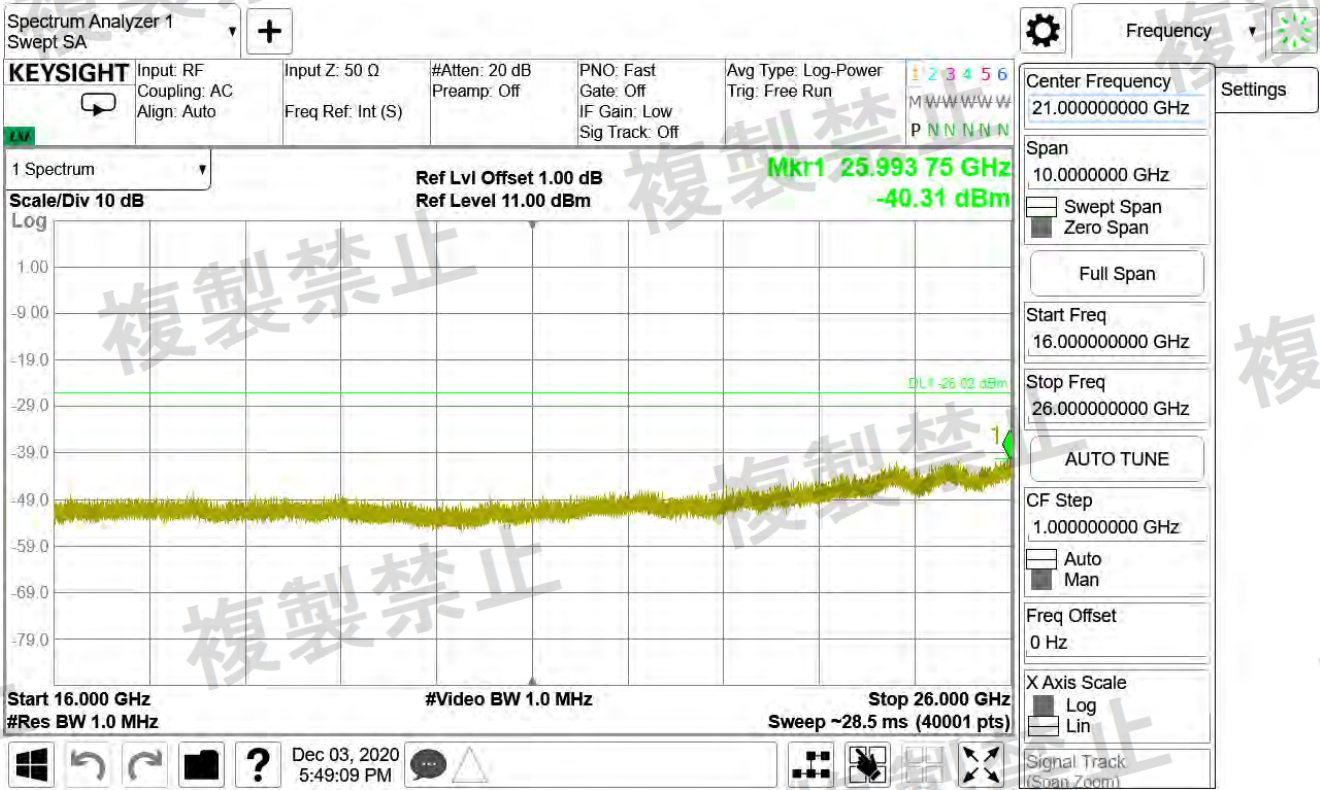
1000 – 5455MHz



5745– 16000MHz



16000 – 26000MHz

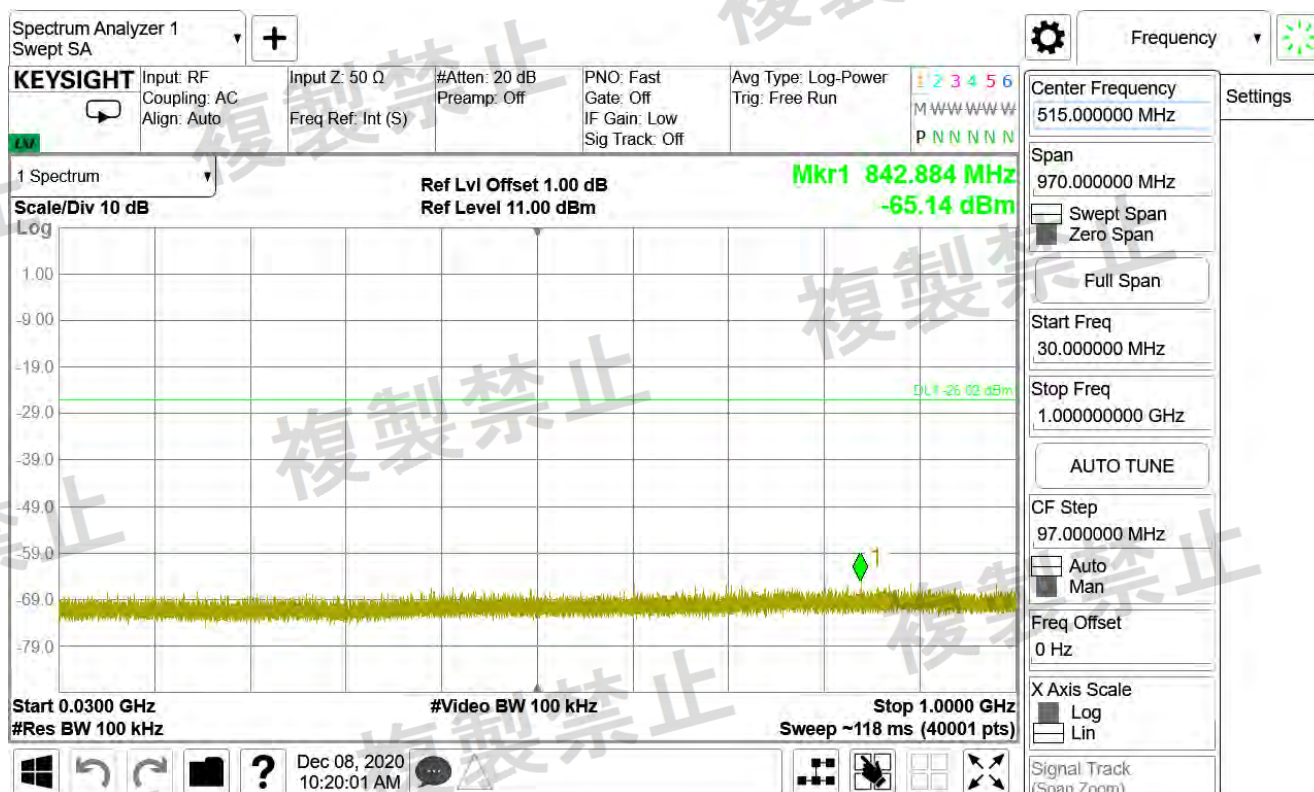


Test Result	PASS
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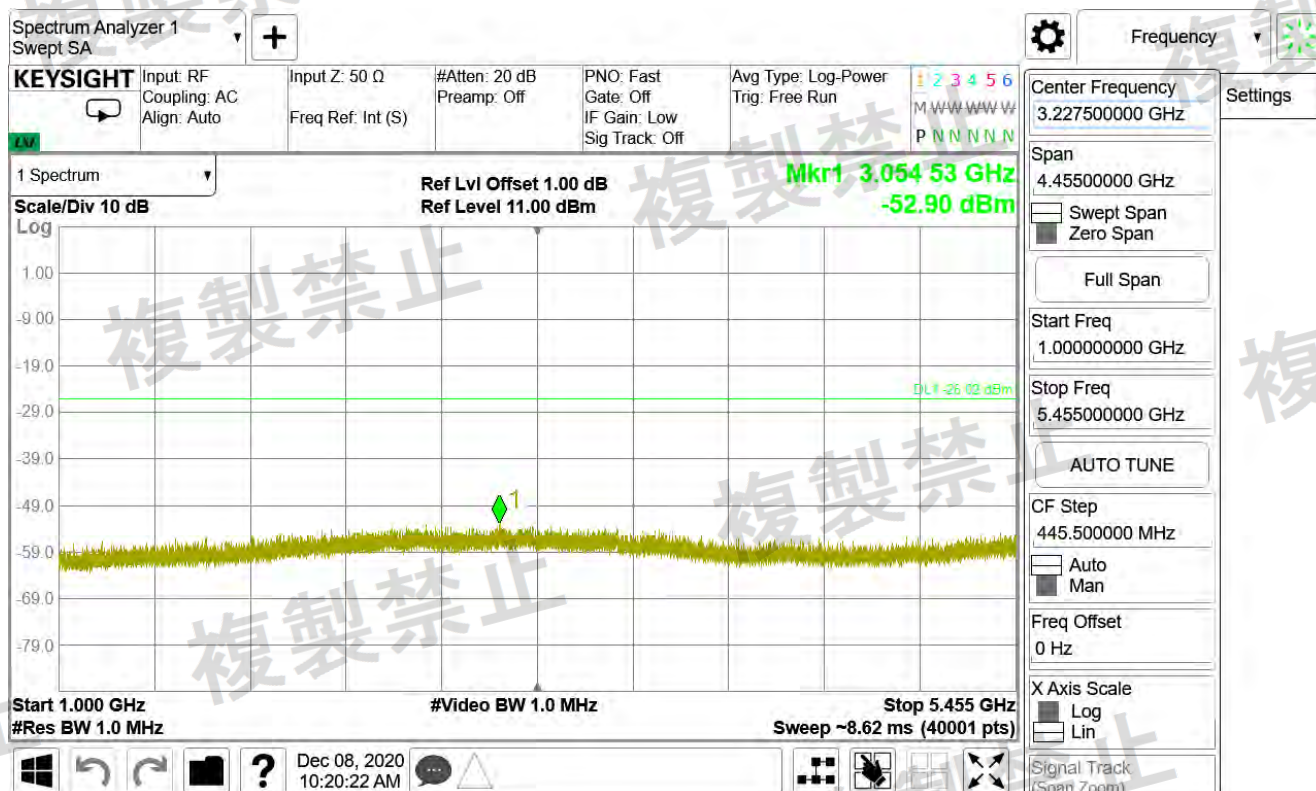
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 2: Transmit (802.11n-20BW) 5720MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 - 1000	-65.14	-26 (2.5uW)
		1000 - 5455	-52.90	-26 (2.5uW)
		5745- 16000	-35.79	-26 (2.5uW)
		16000 - 26000	-39.53	-26 (2.5uW)

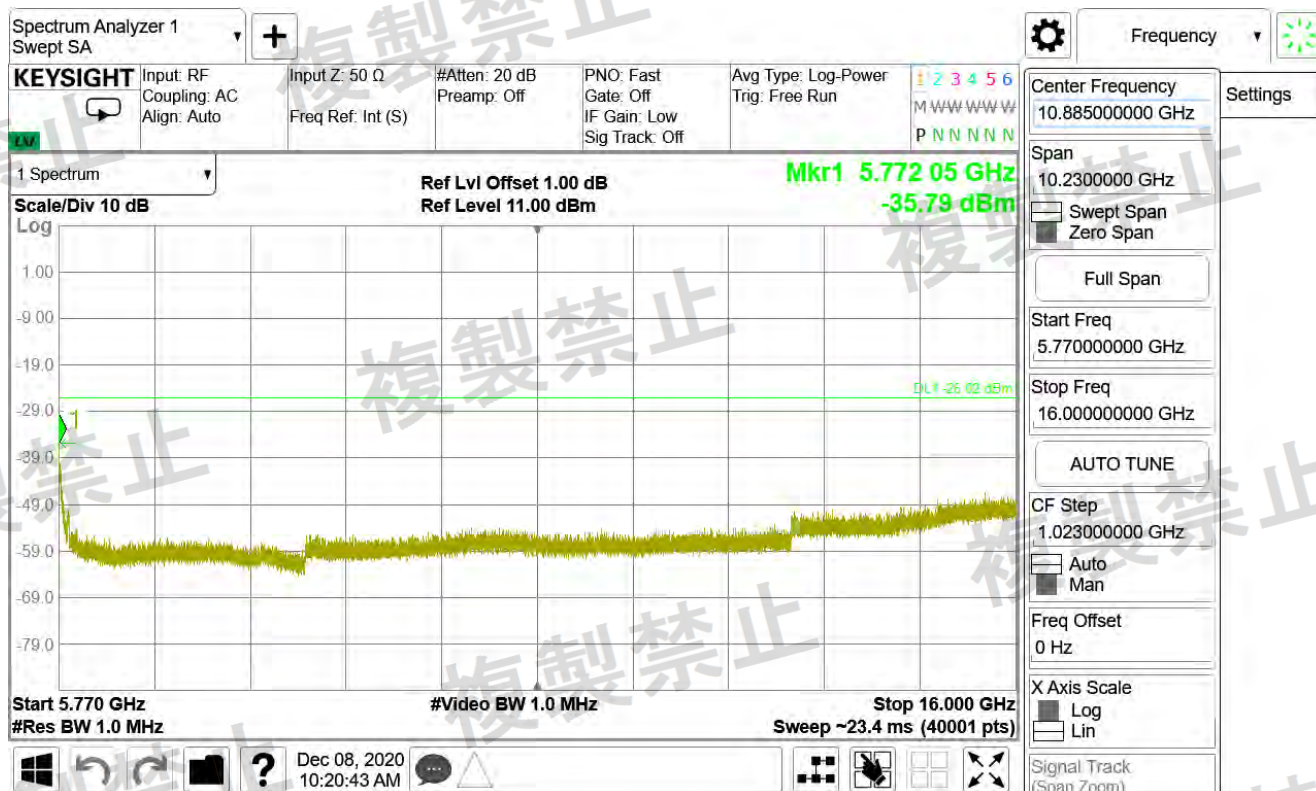
30 - 1000 MHz



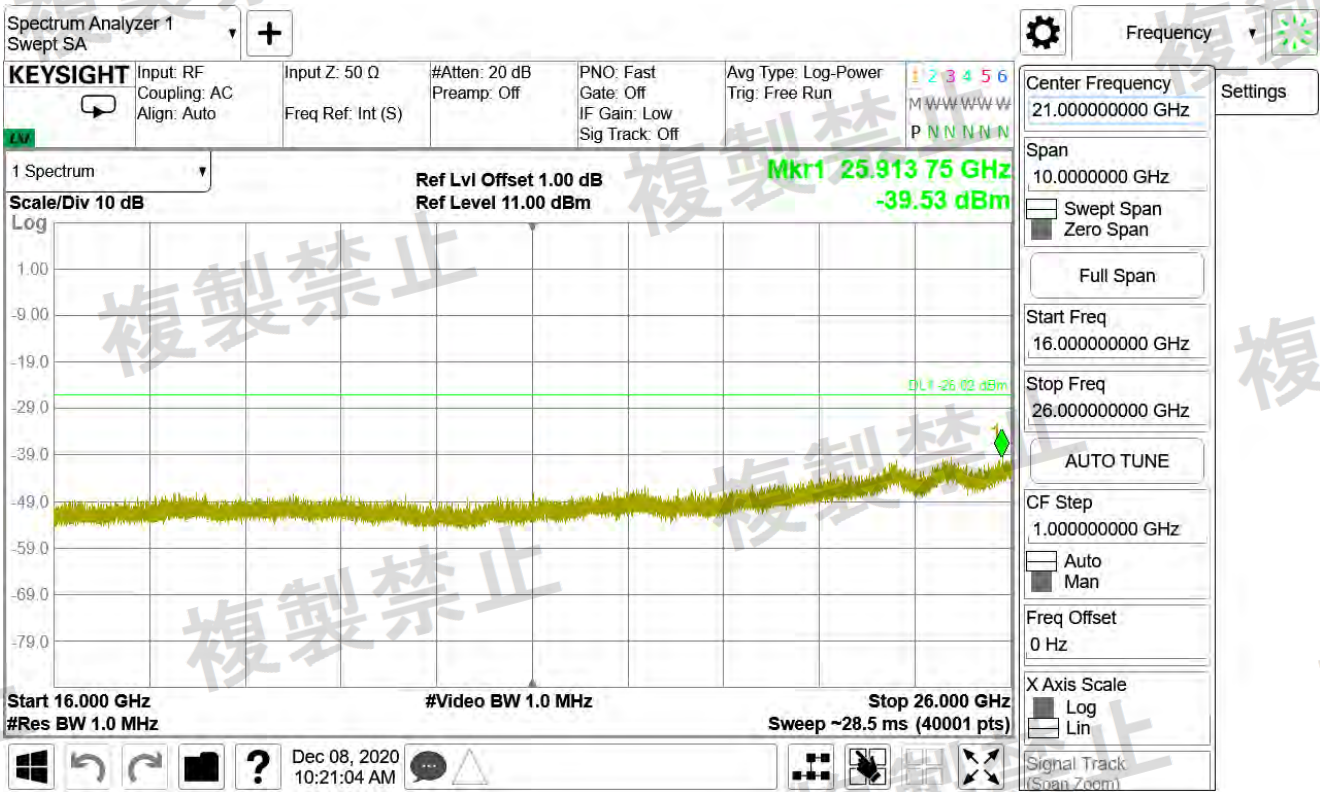
1000 – 5455MHz



5745– 16000MHz



16000 – 26000MHz

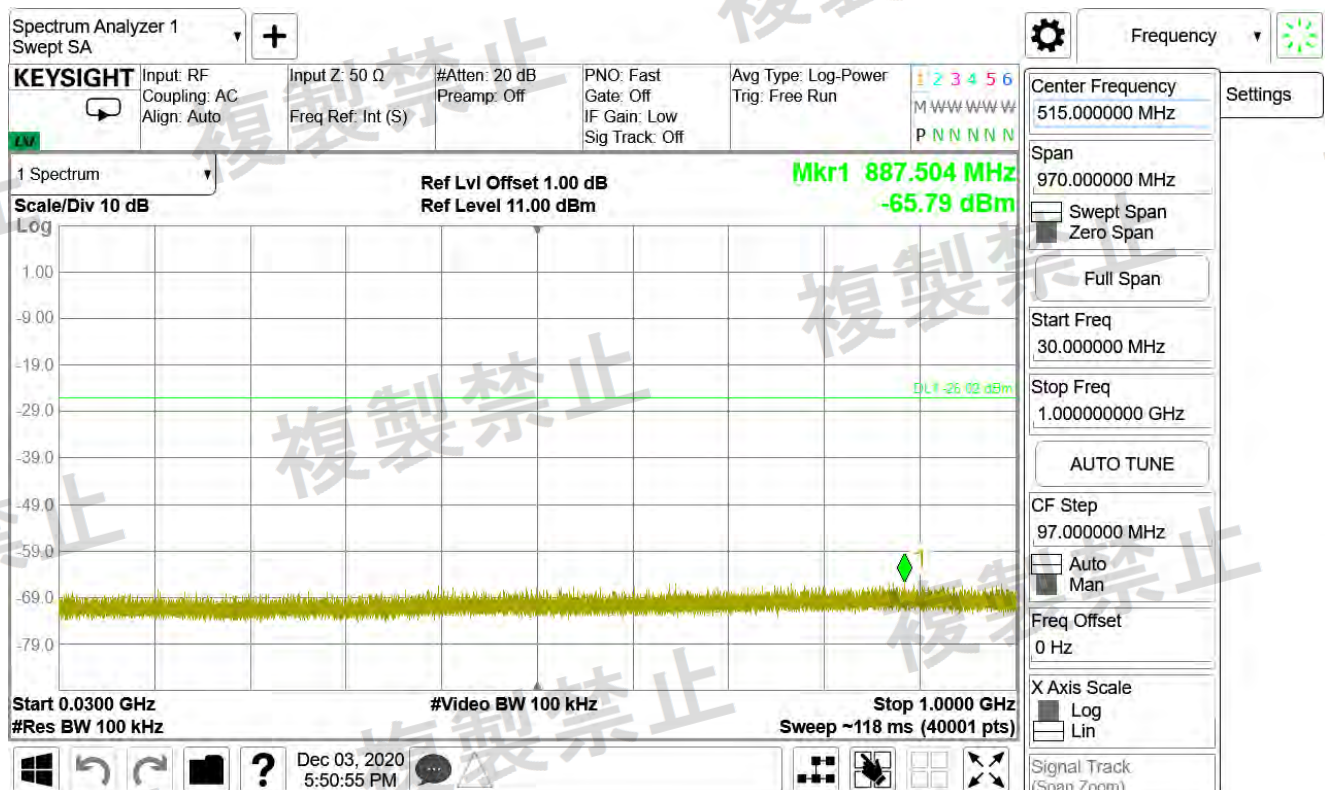


Test Result	PASS
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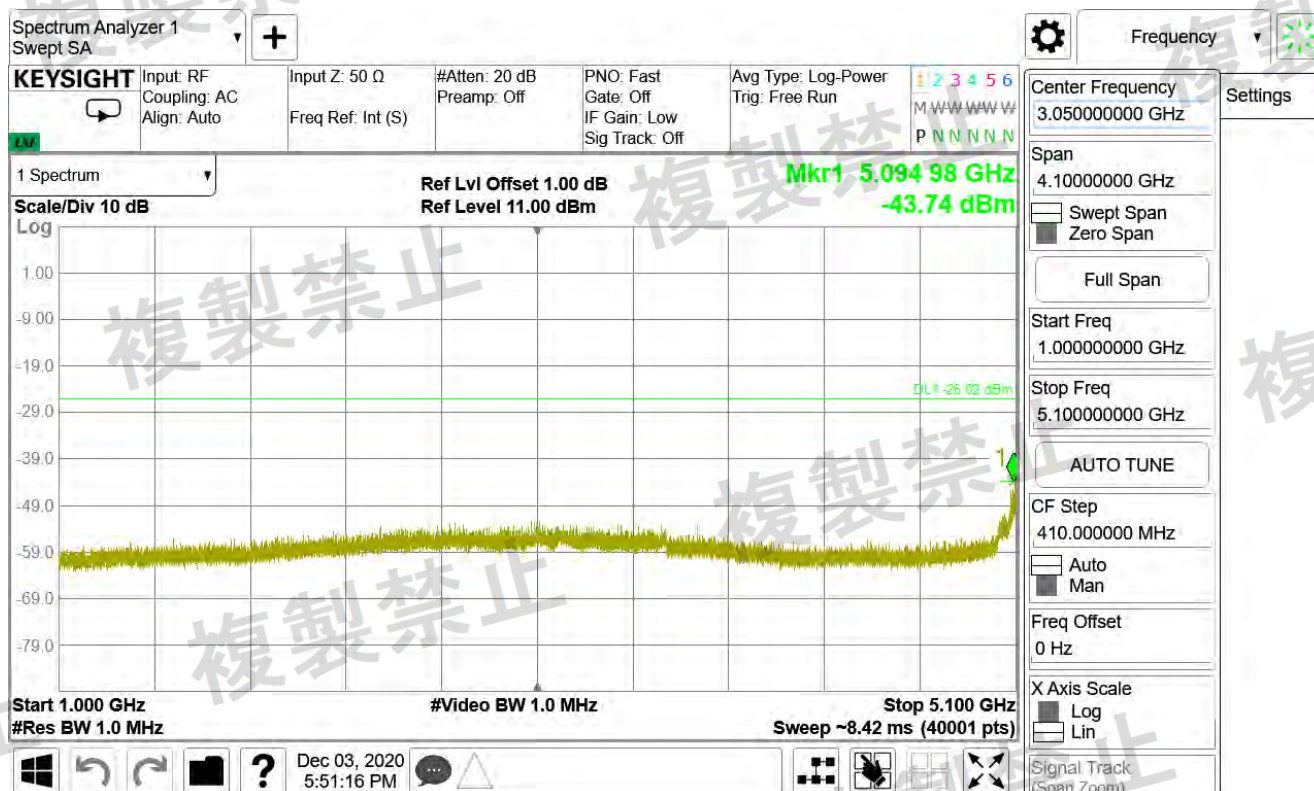
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 3: Transmit (802.11n-40BW) 5190MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 – 1000	-65.79	-26 (2.5uW)
		1000 – 5100	-43.74	-26 (2.5uW)
		5400– 16000	-47.14	-26 (2.5uW)
		16000 – 26000	-39.91	-26 (2.5uW)

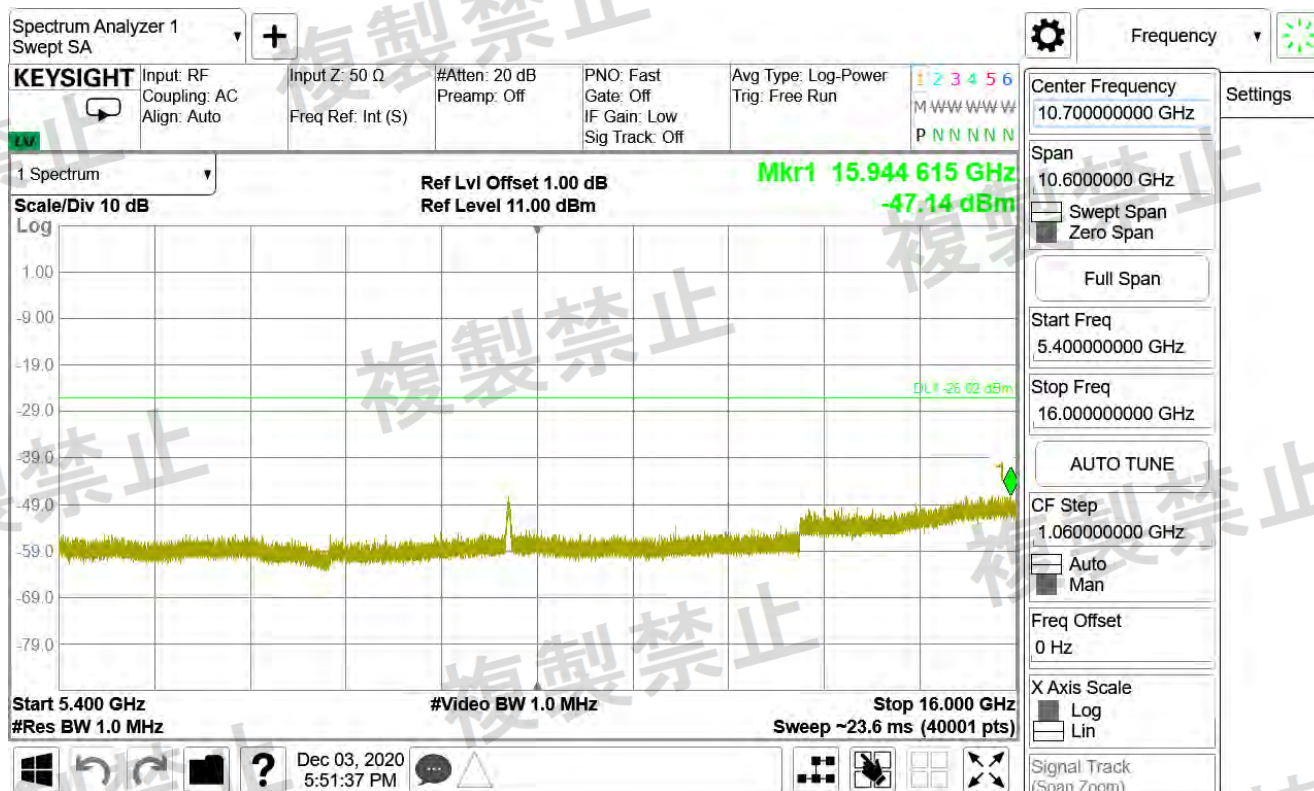
30 – 1000 MHz



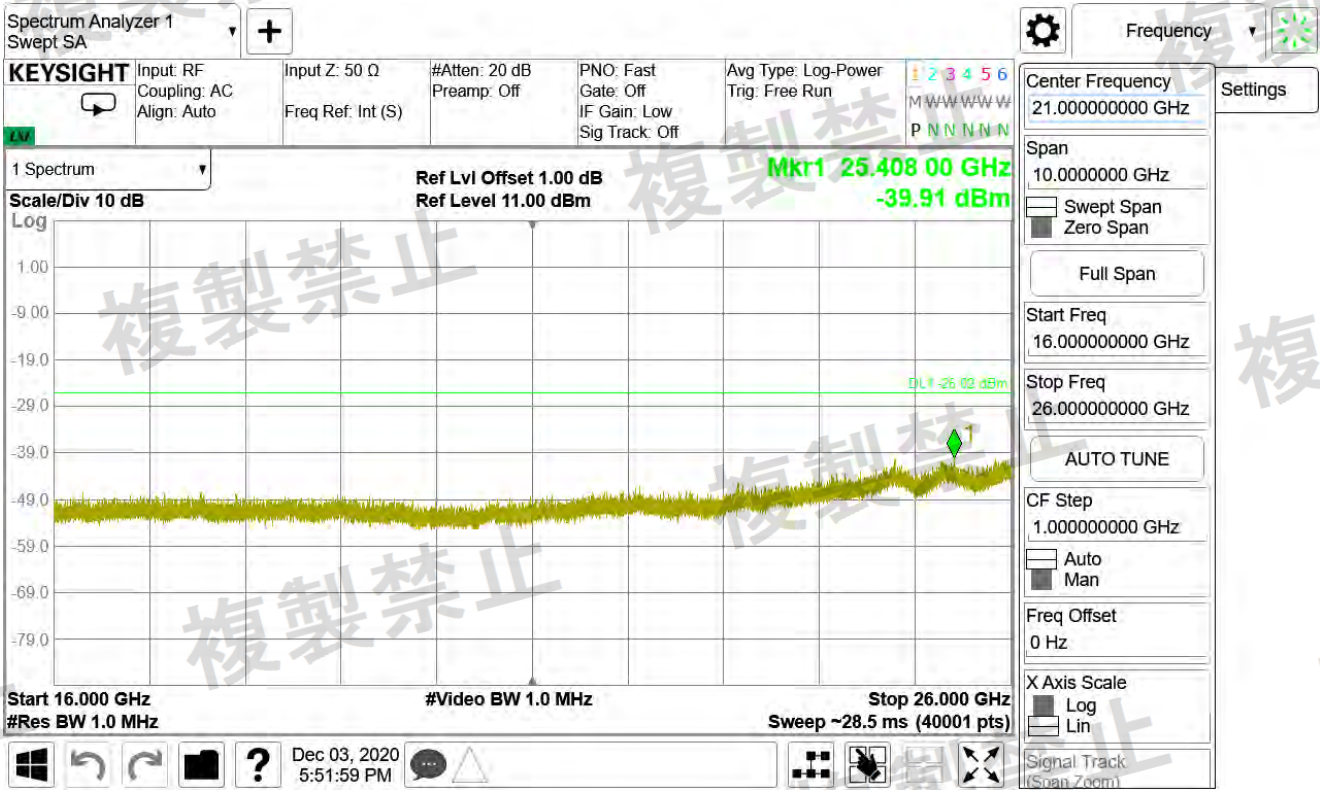
1000 – 5100MHz



5400– 16000MHz



16000 – 26000MHz

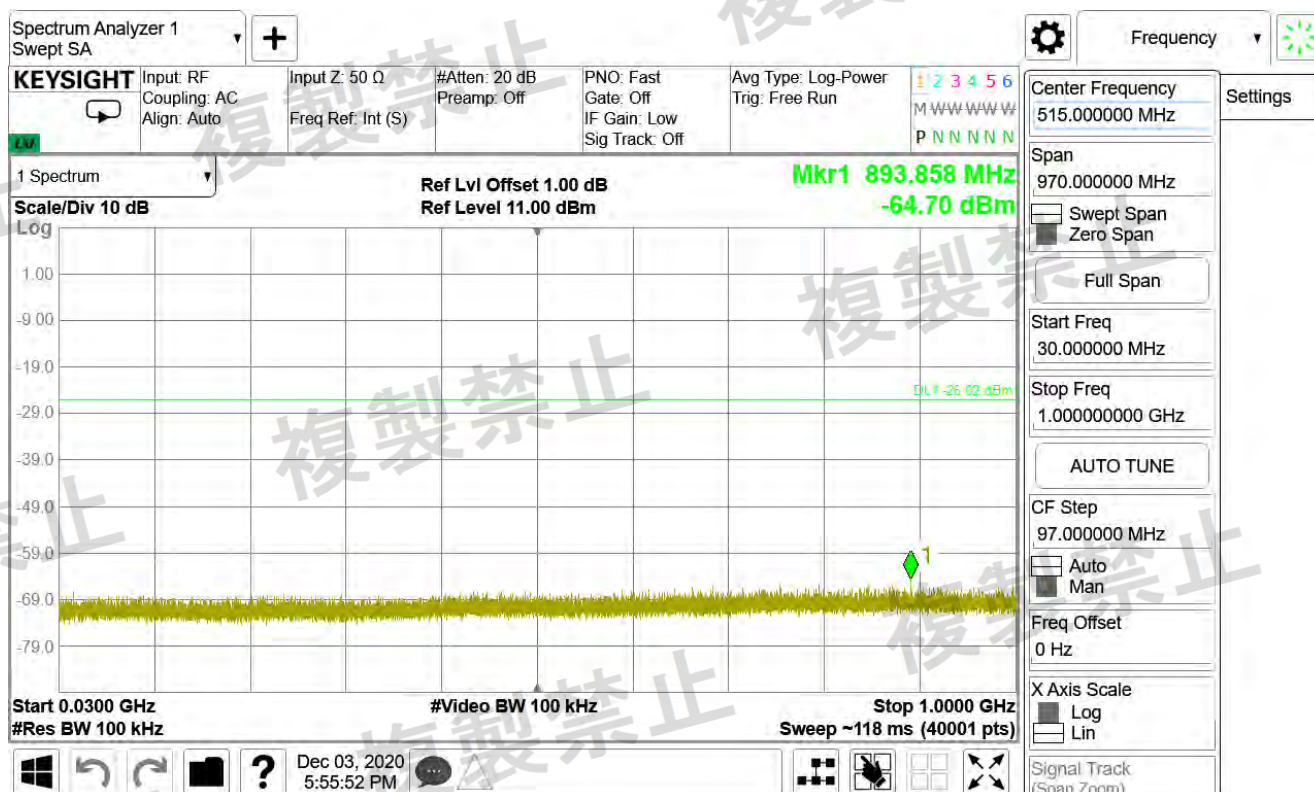


Test Result	PASS
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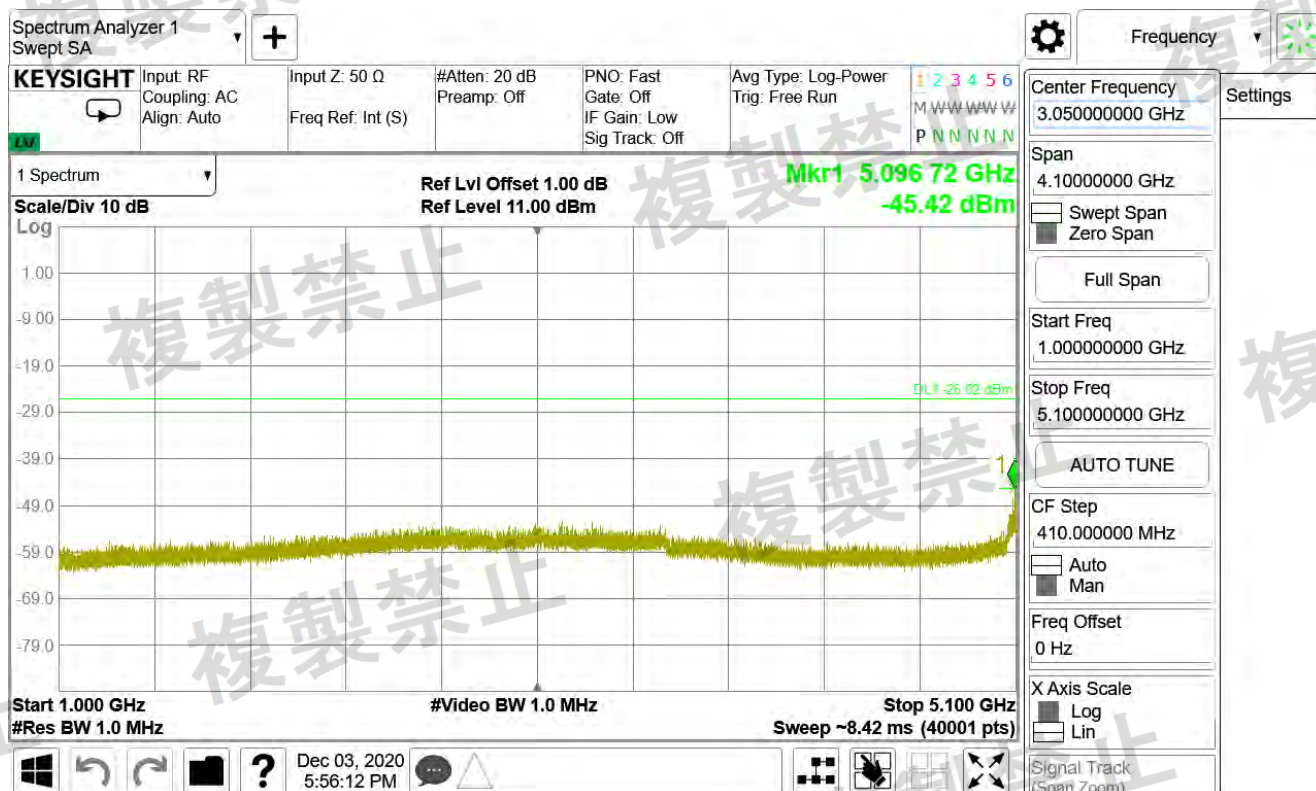
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 3: Transmit (802.11n-40BW) 5230MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 – 1000	-64.70	-26 (2.5uW)
		1000 – 5100	-45.42	-26 (2.5uW)
		5400– 16000	-46.68	-26 (2.5uW)
		16000 – 26000	-40.24	-26 (2.5uW)

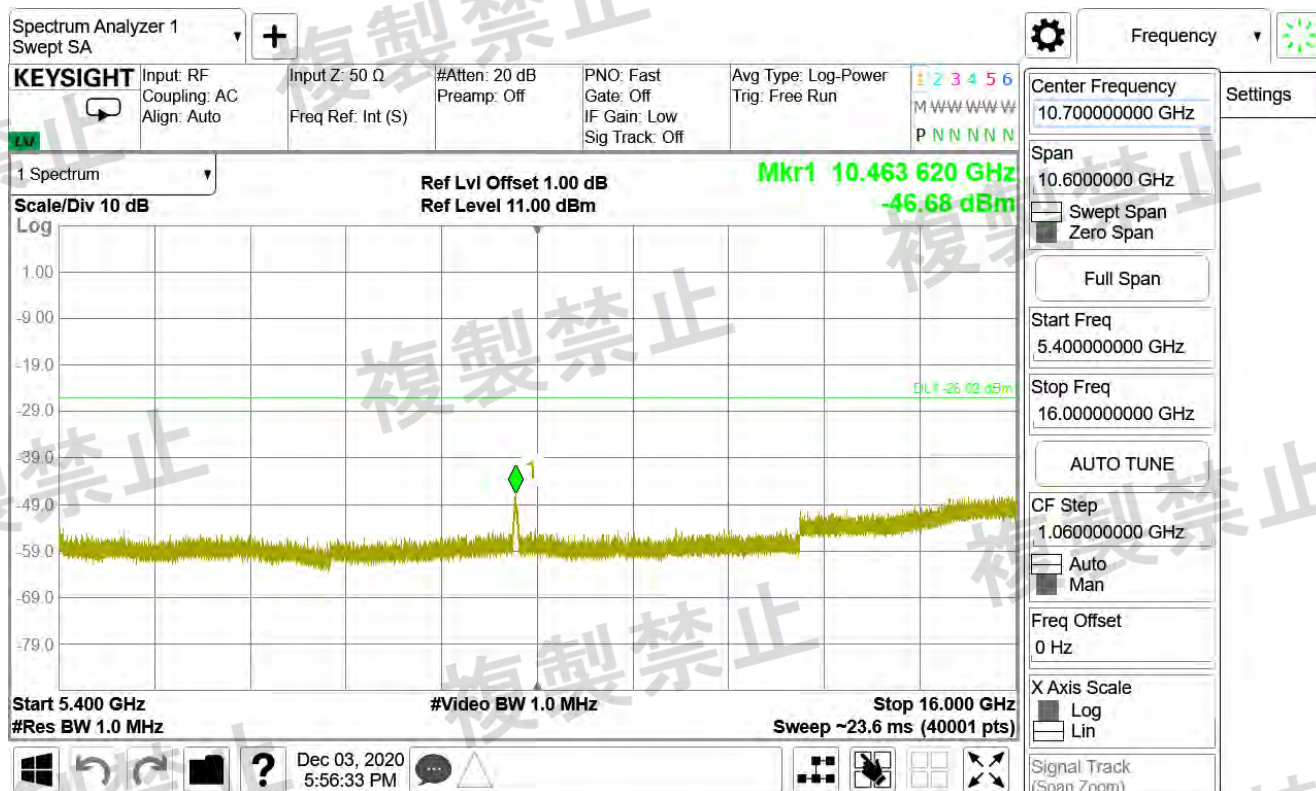
30 – 1000 MHz



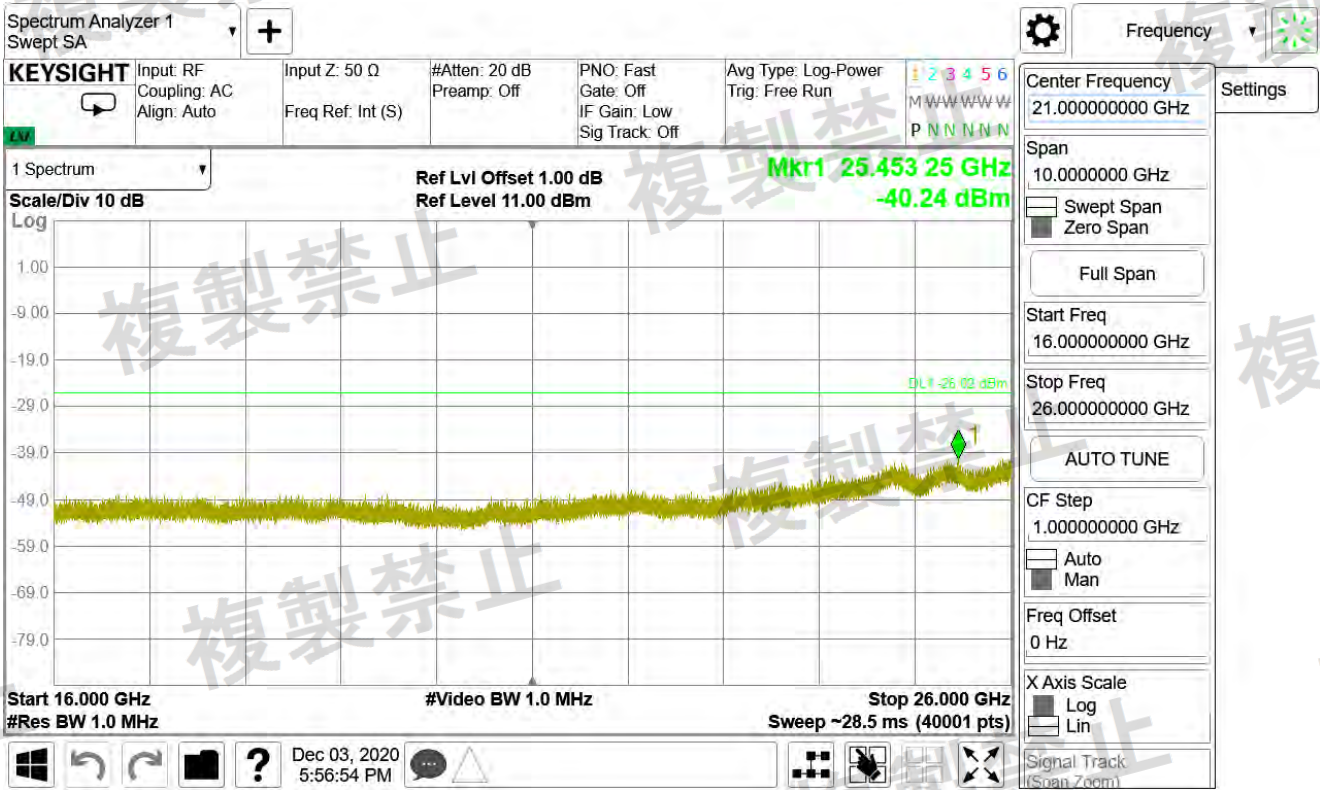
1000 – 5100MHz



5400– 16000MHz



16000 – 26000MHz

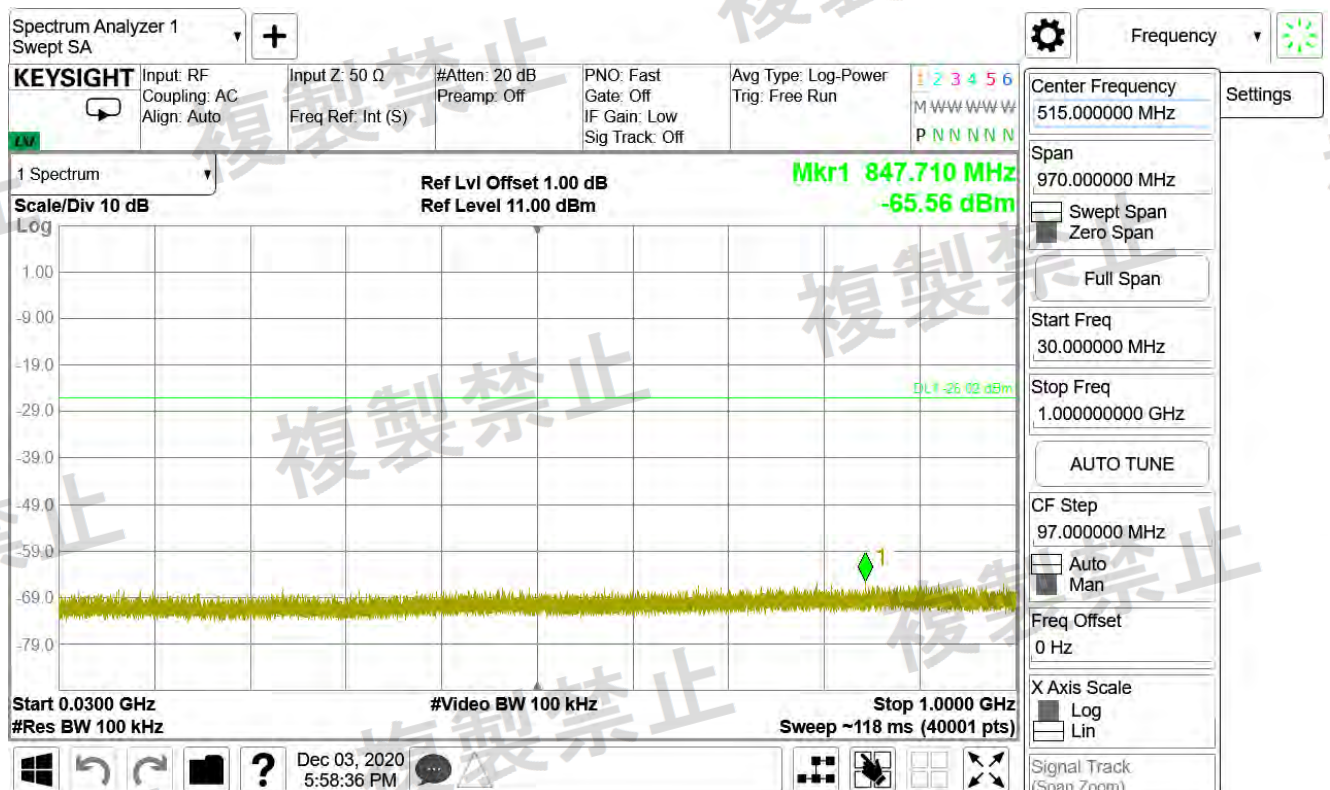


Test Result	PASS
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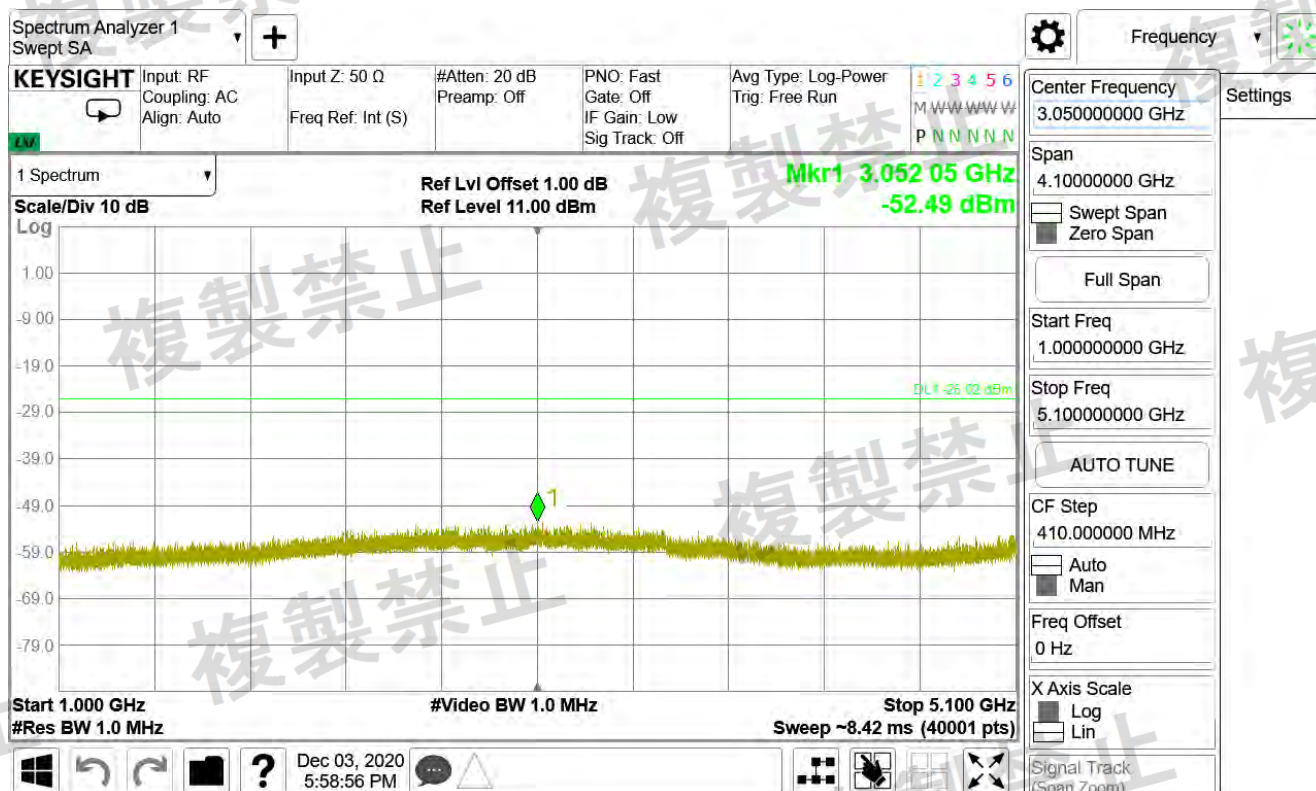
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 3: Transmit (802.11n-40BW) 5270MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 – 1000	-65.56	-26 (2.5uW)
		1000 – 5100	-52.49	-26 (2.5uW)
		5400– 16000	-45.61	-26 (2.5uW)
		16000 – 26000	-39.44	-26 (2.5uW)

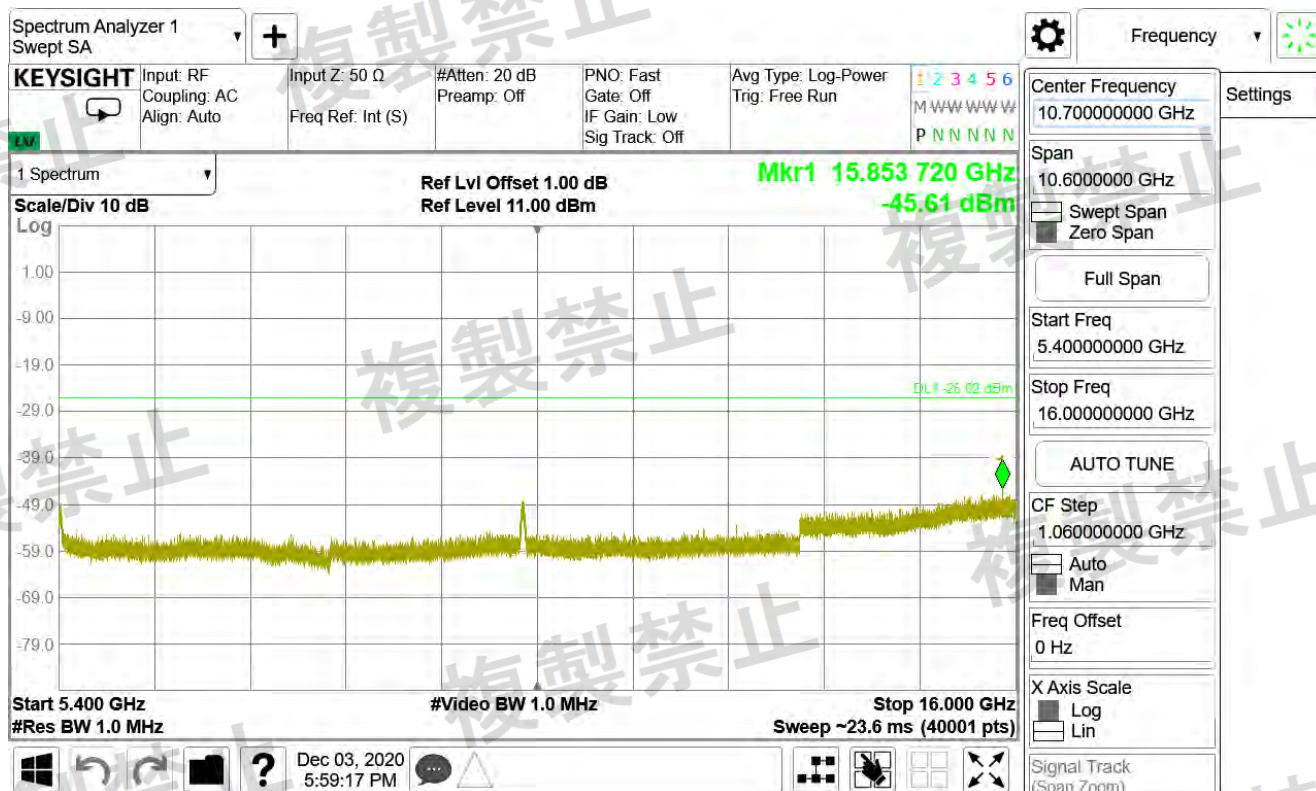
30 – 1000 MHz



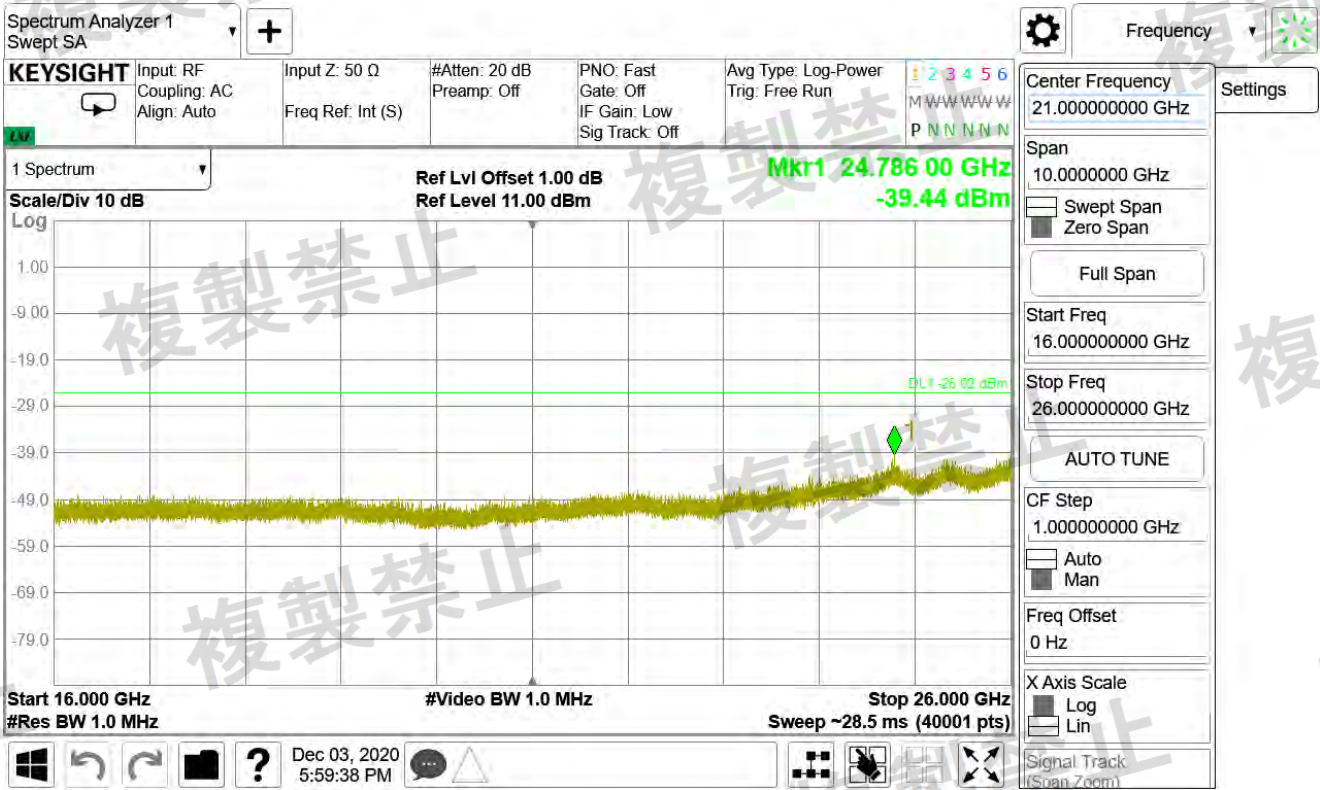
1000 – 5100MHz



5400– 16000MHz



16000 – 26000MHz

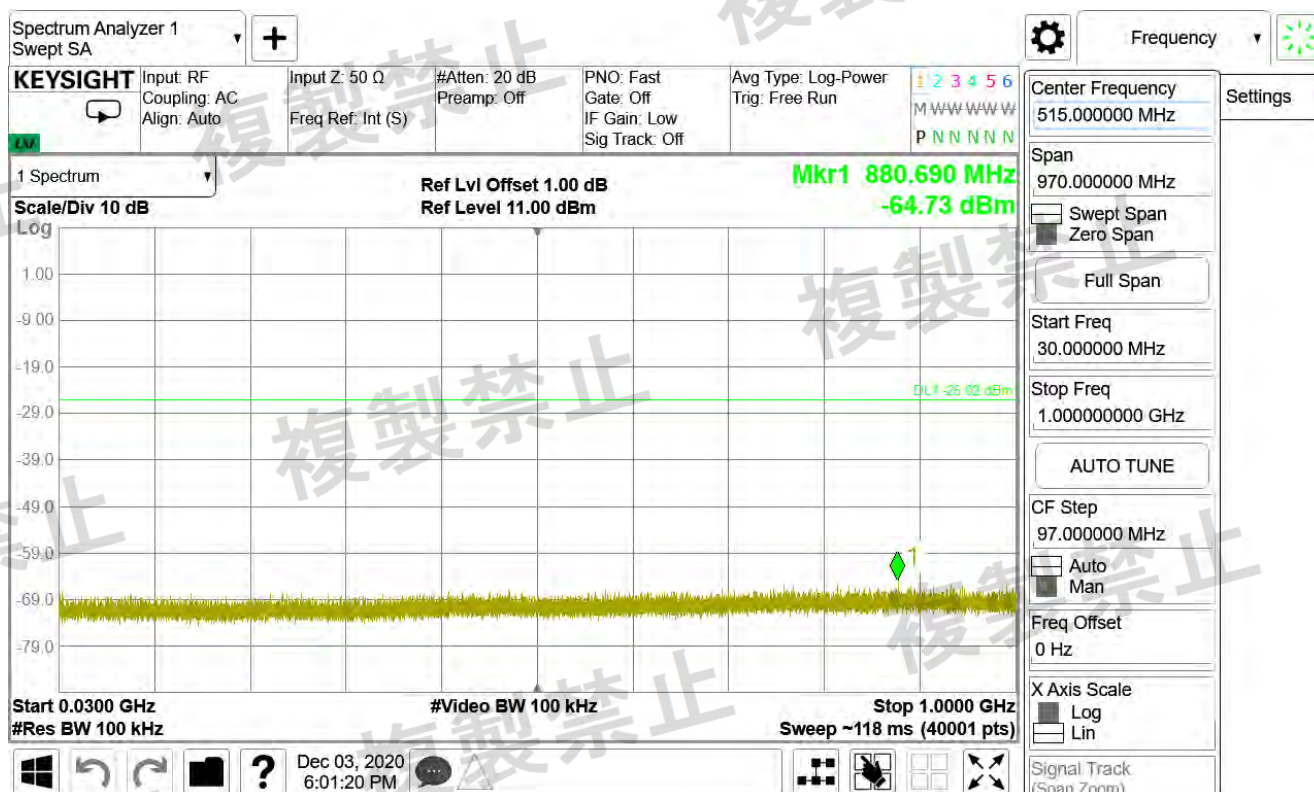


Test Result	PASS
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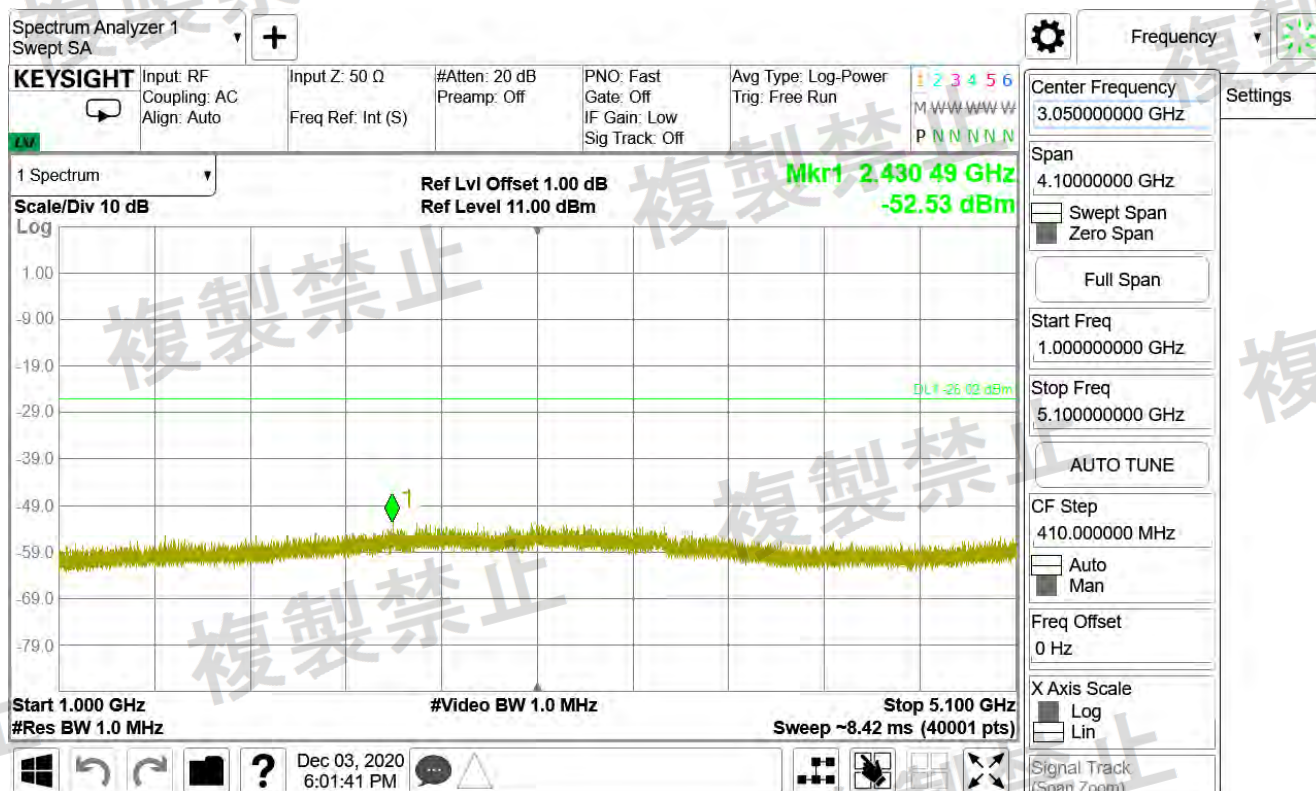
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 3: Transmit (802.11n-40BW) 5310MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 – 1000	-64.73	-26 (2.5uW)
		1000 – 5100	-52.53	-26 (2.5uW)
		5400– 16000	-43.87	-26 (2.5uW)
		16000 – 26000	-40.46	-26 (2.5uW)

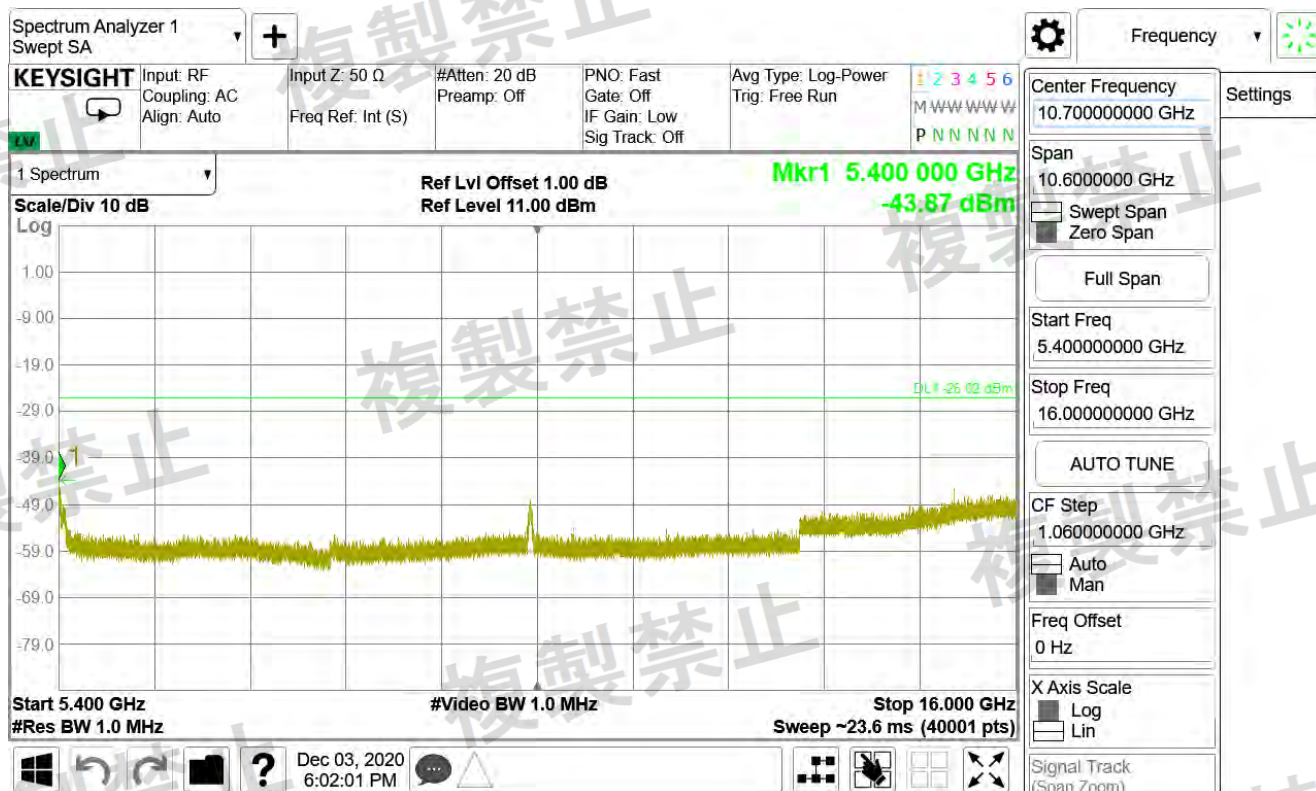
30 – 1000 MHz



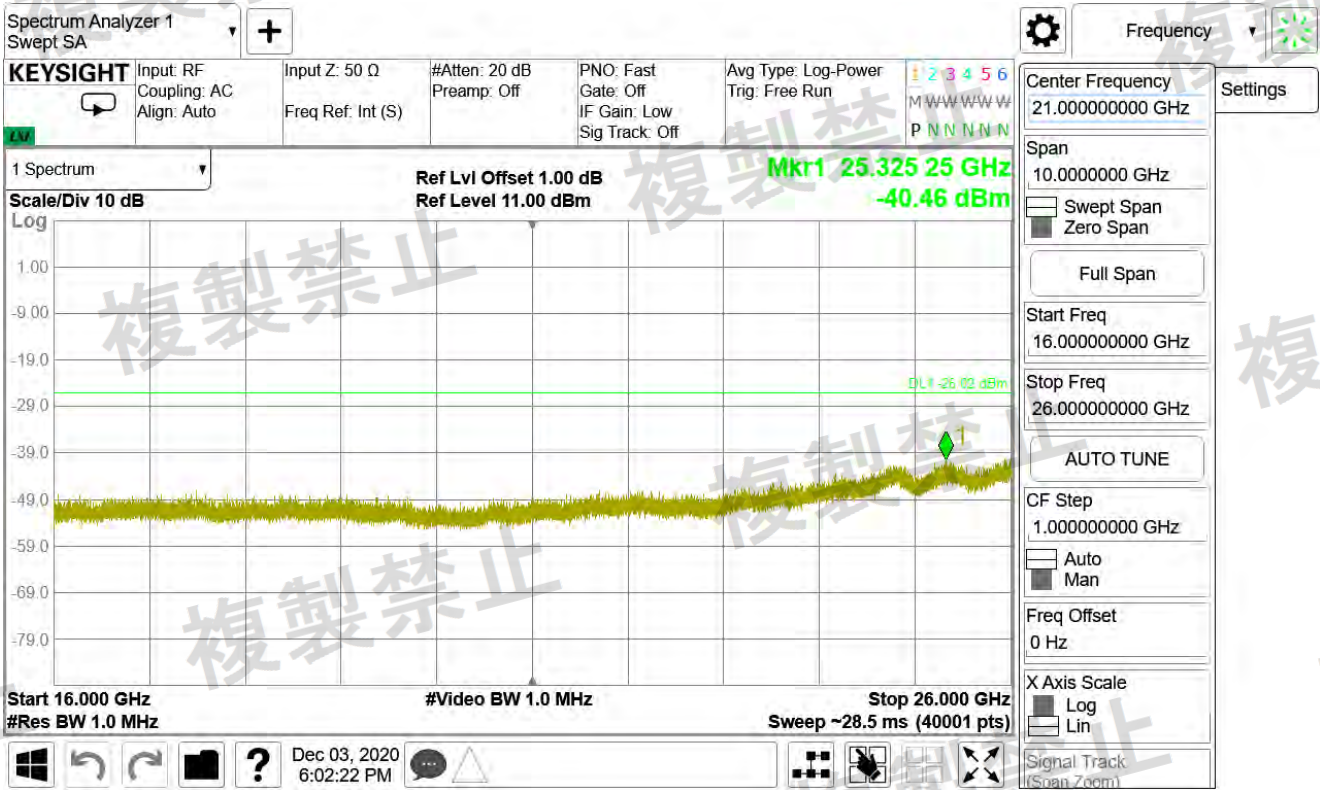
1000 – 5100MHz



5400– 16000MHz



16000 – 26000MHz

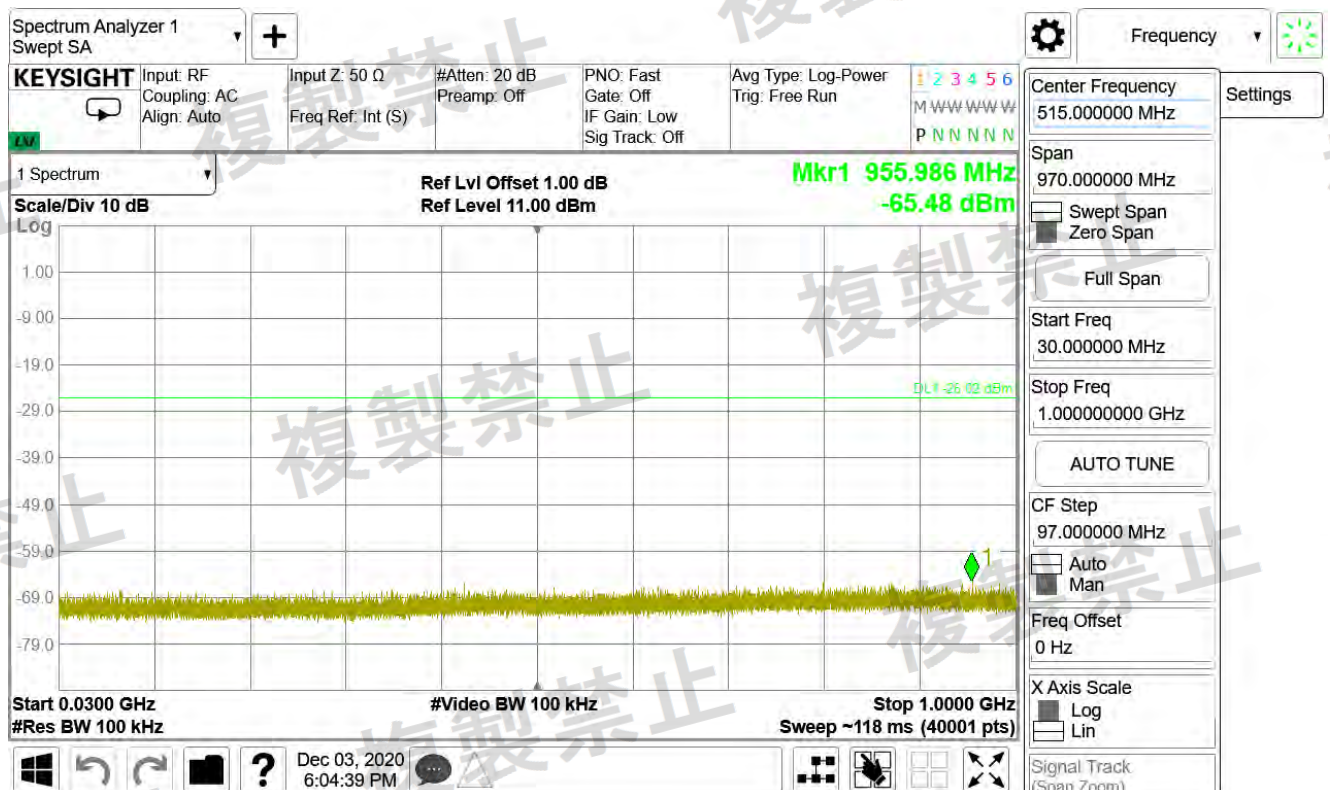


Test Result	PASS
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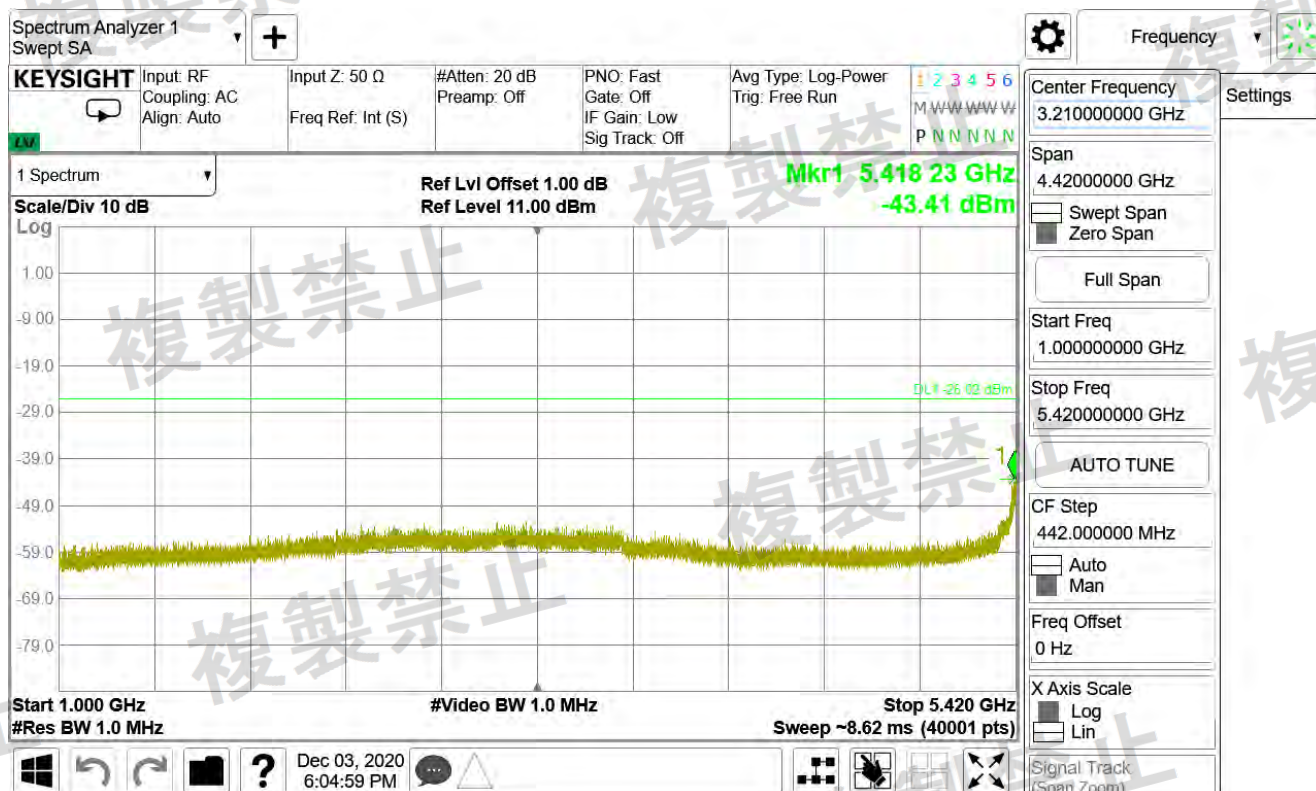
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 3: Transmit (802.11n-40BW) 5510MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 –1000	-65.48	-26 (2.5uW)
		1000 – 5420	-43.41	-26 (2.5uW)
		5760– 16000	-46.52	-26 (2.5uW)
		16000 – 26000	-39.81	-26 (2.5uW)

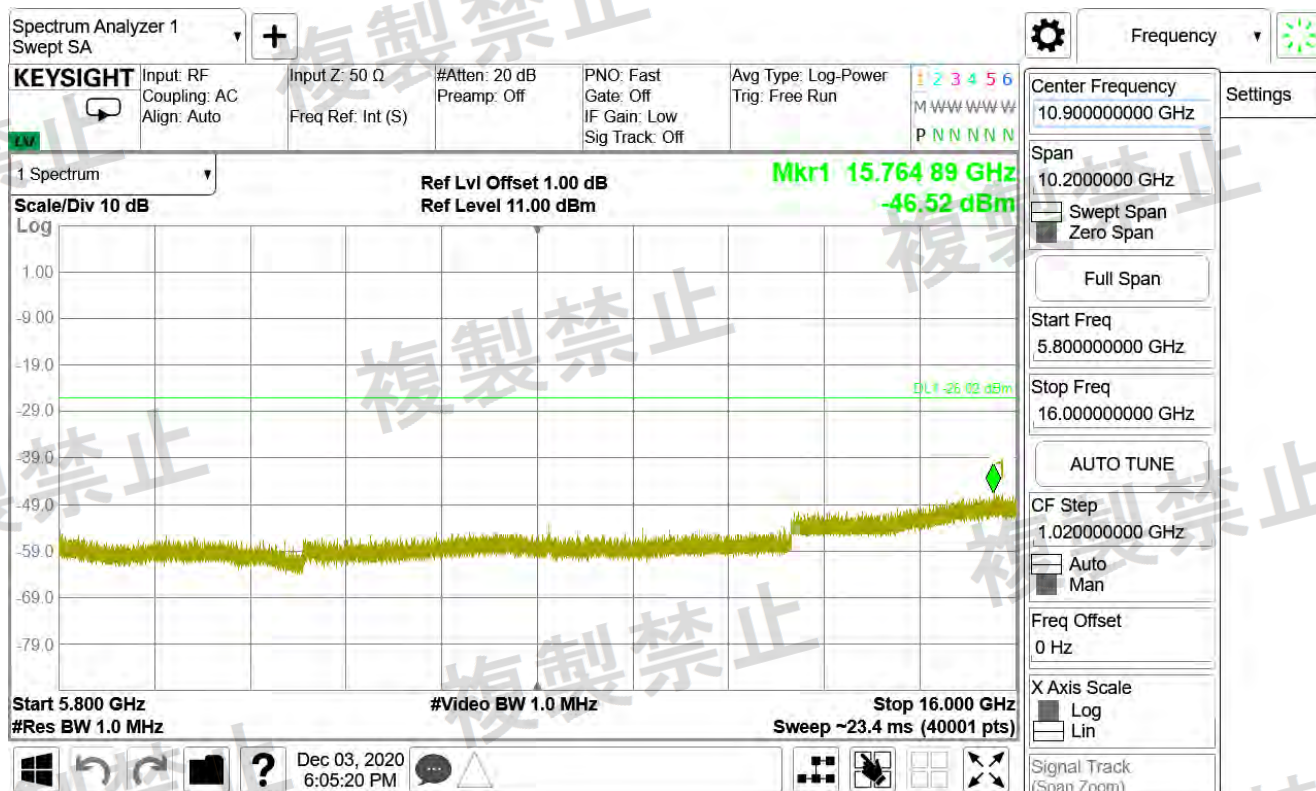
30 – 1000 MHz



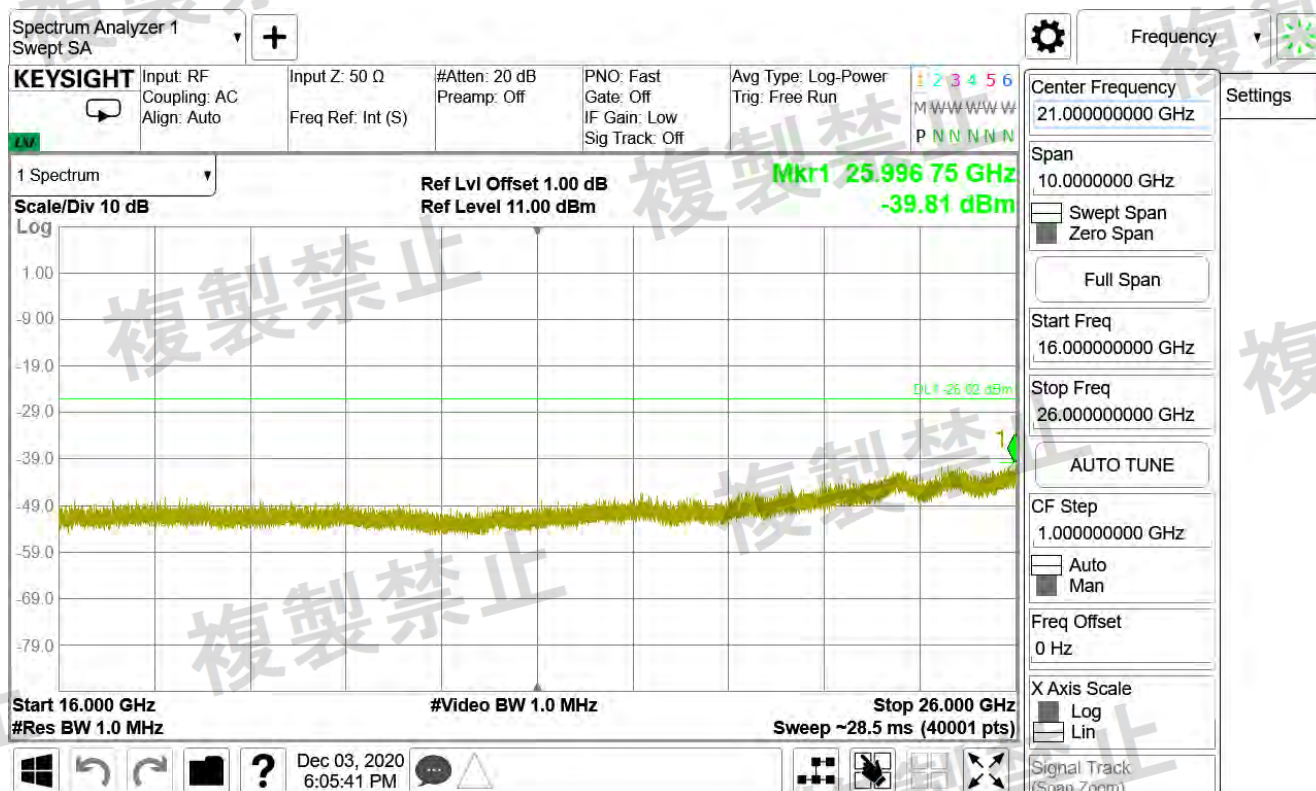
1000 – 5420MHz



5760– 16000MHz



16000 – 26000MHz



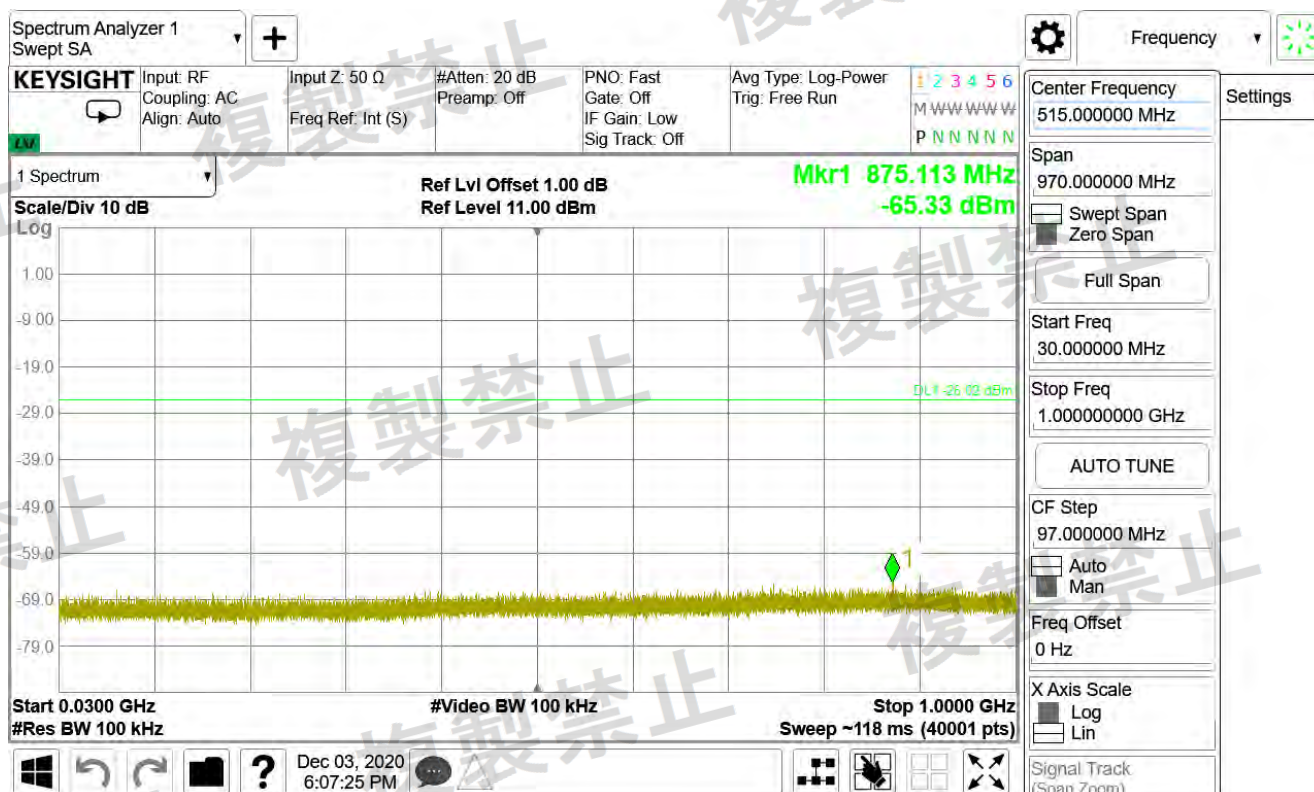
Test Result

PASS

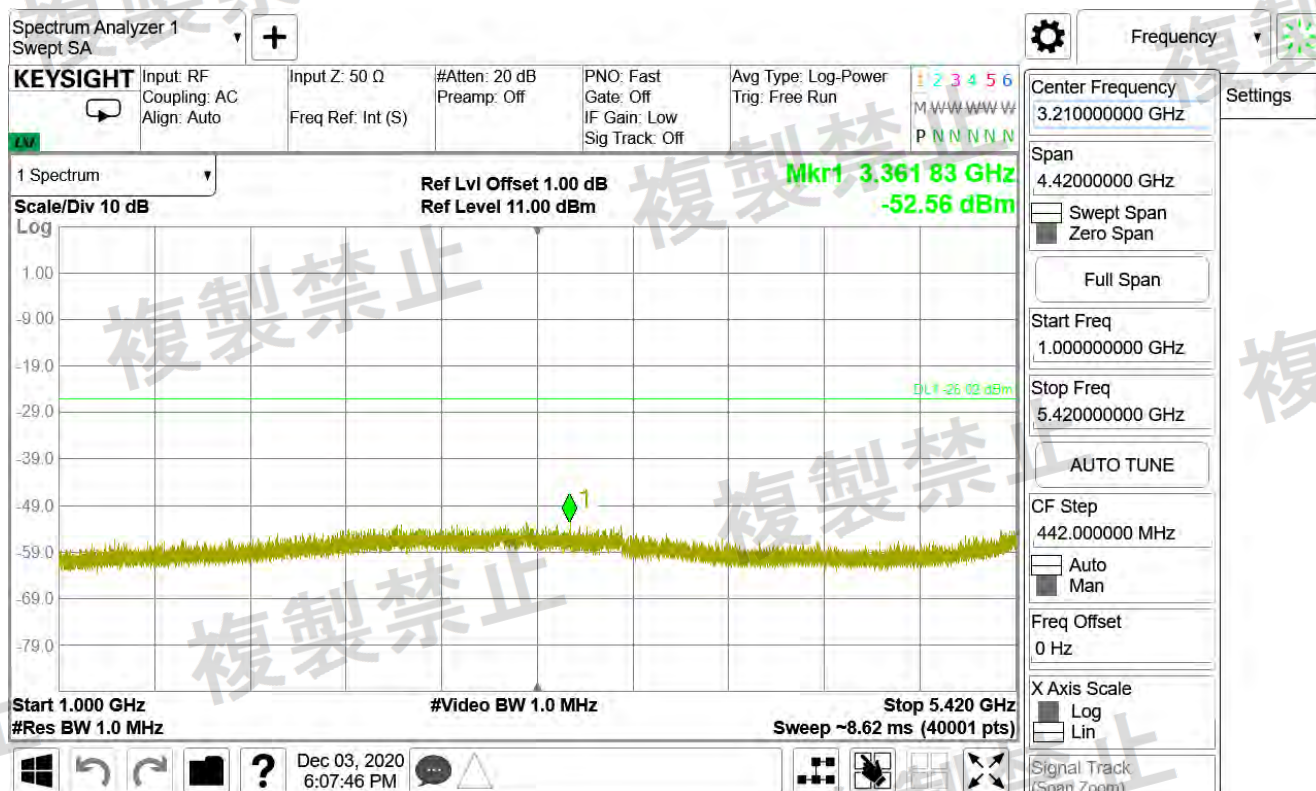
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 3: Transmit (802.11n-40BW) 5590MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 –1000	-65.33	-26 (2.5uW)
		1000– 5420	-52.56	-26 (2.5uW)
		5760– 16000	-46.84	-26 (2.5uW)
		16000 – 26000	-40.01	-26 (2.5uW)

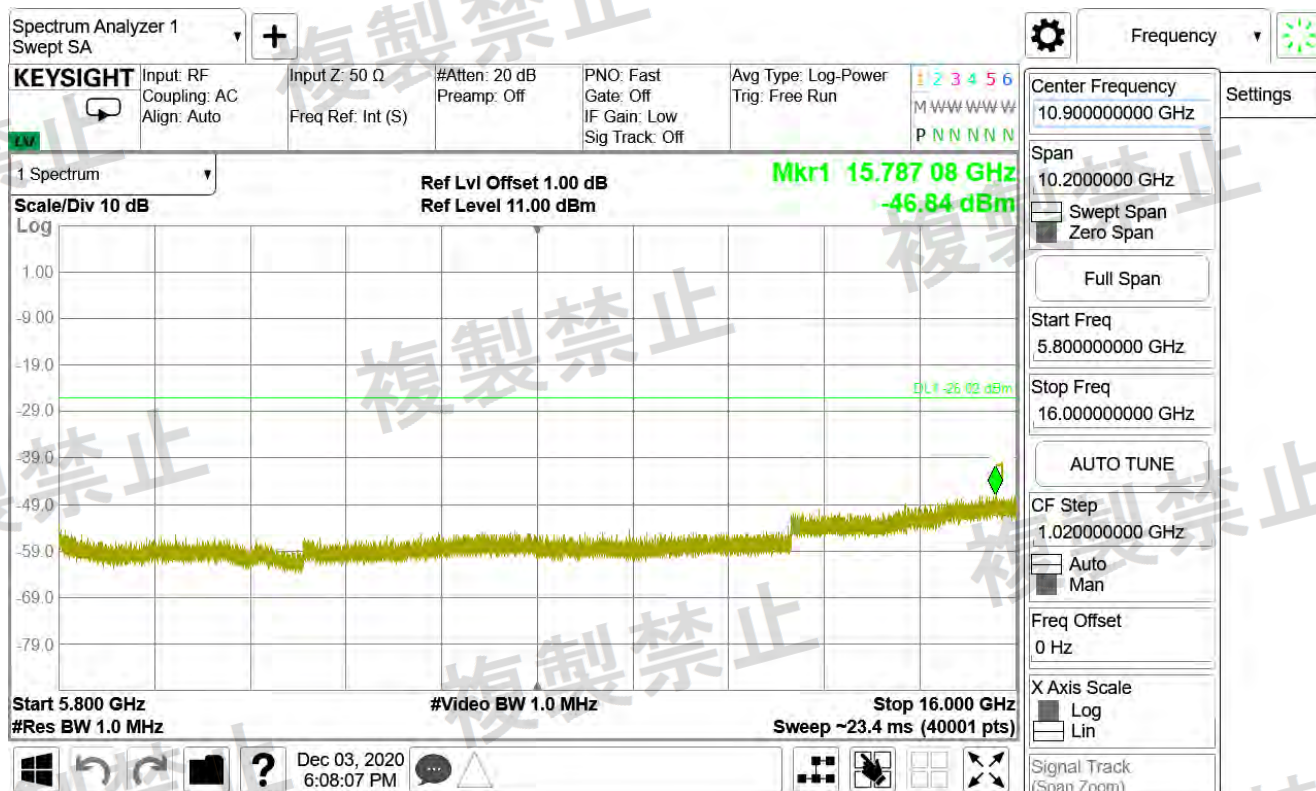
30 – 1000 MHz



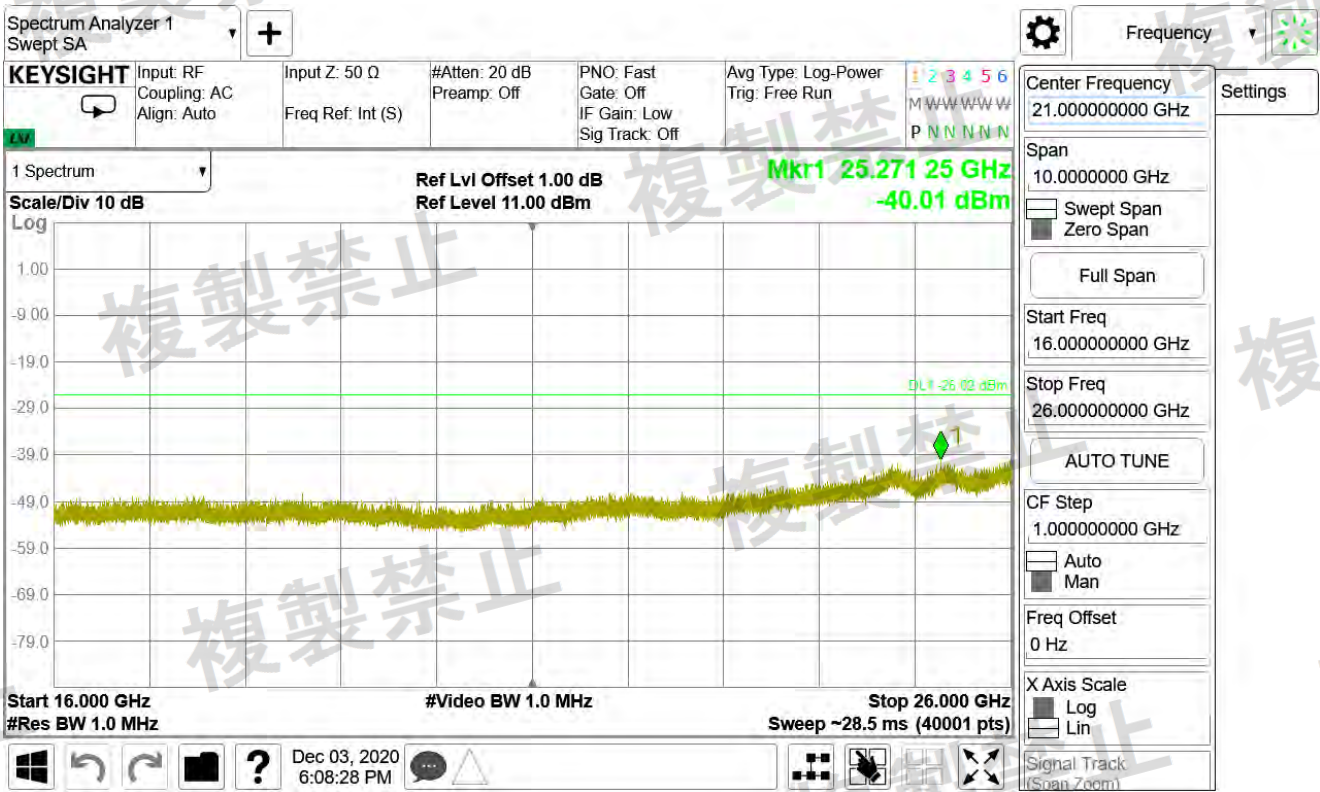
1000 – 5420MHz



5760– 16000MHz



16000 – 26000MHz

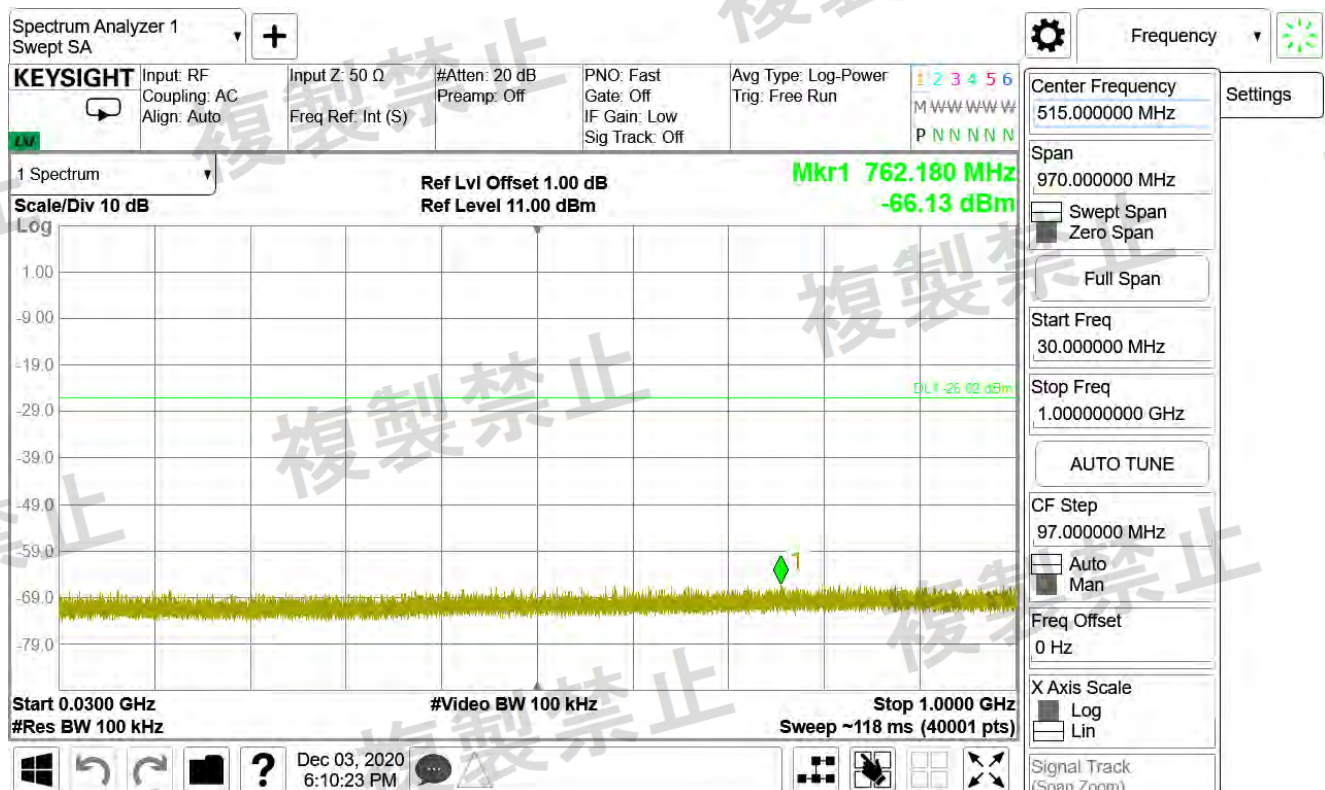


Test Result	PASS
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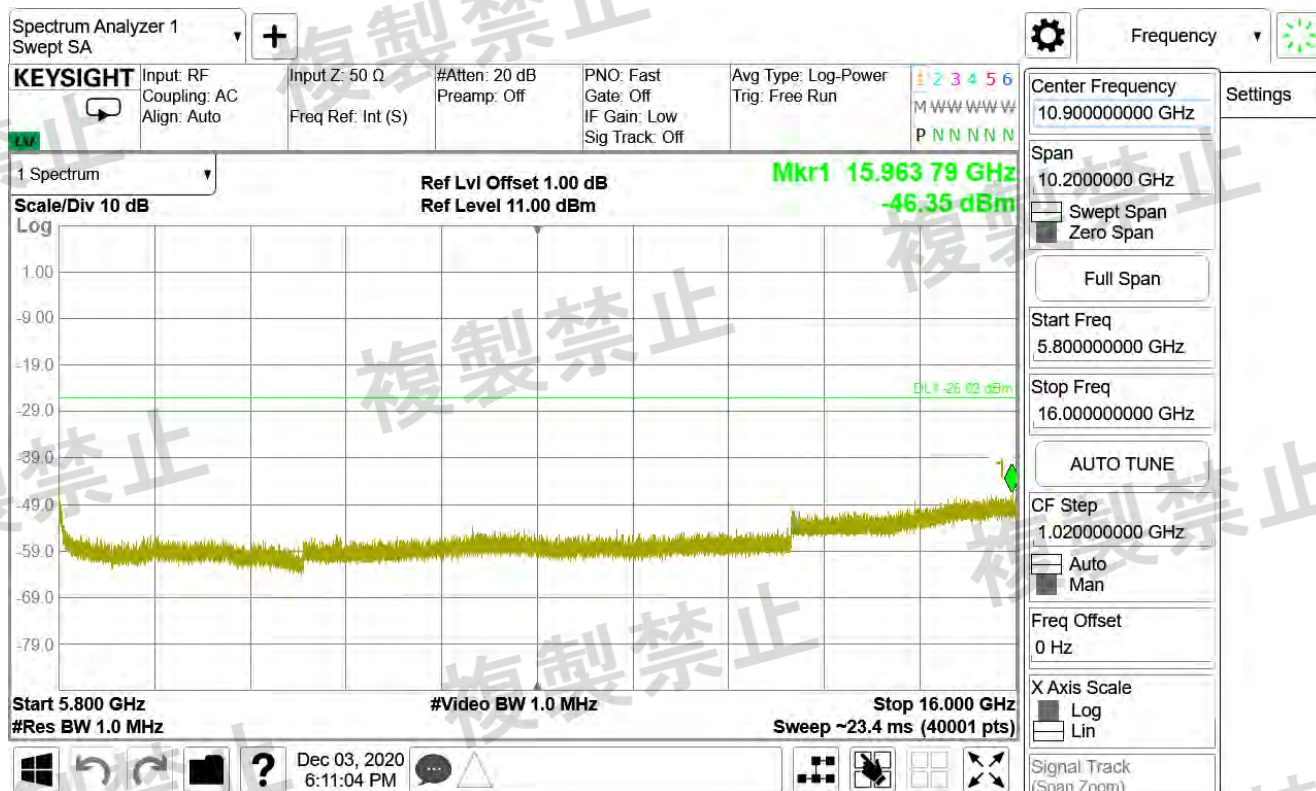
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 3: Transmit (802.11n-40BW) 5670MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 –1000	-66.13	-26 (2.5uW)
		1000– 5420	-52.45	-26 (2.5uW)
		5760– 16000	-46.35	-26 (2.5uW)
		16000 – 26000	-39.65	-26 (2.5uW)

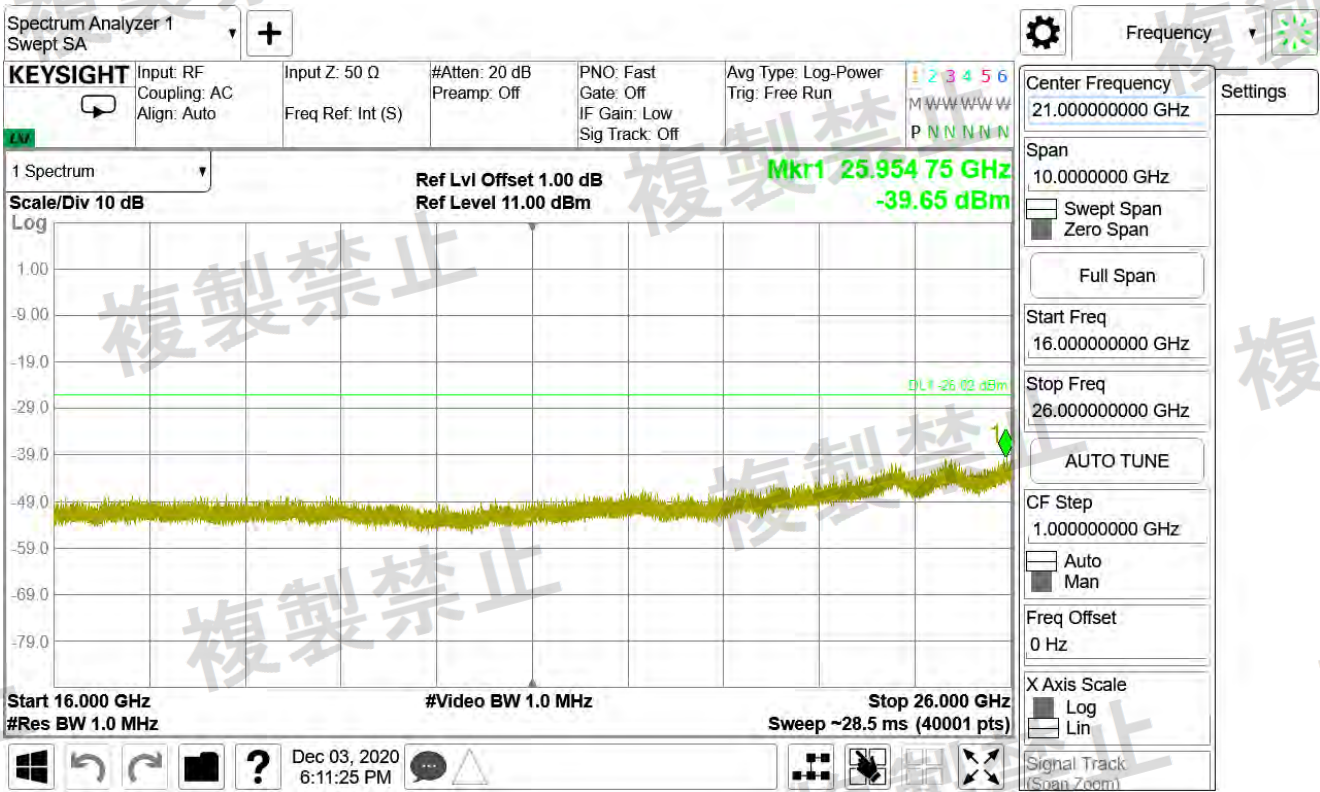
30 – 1000 MHz



5760–16000MHz



16000 – 26000MHz

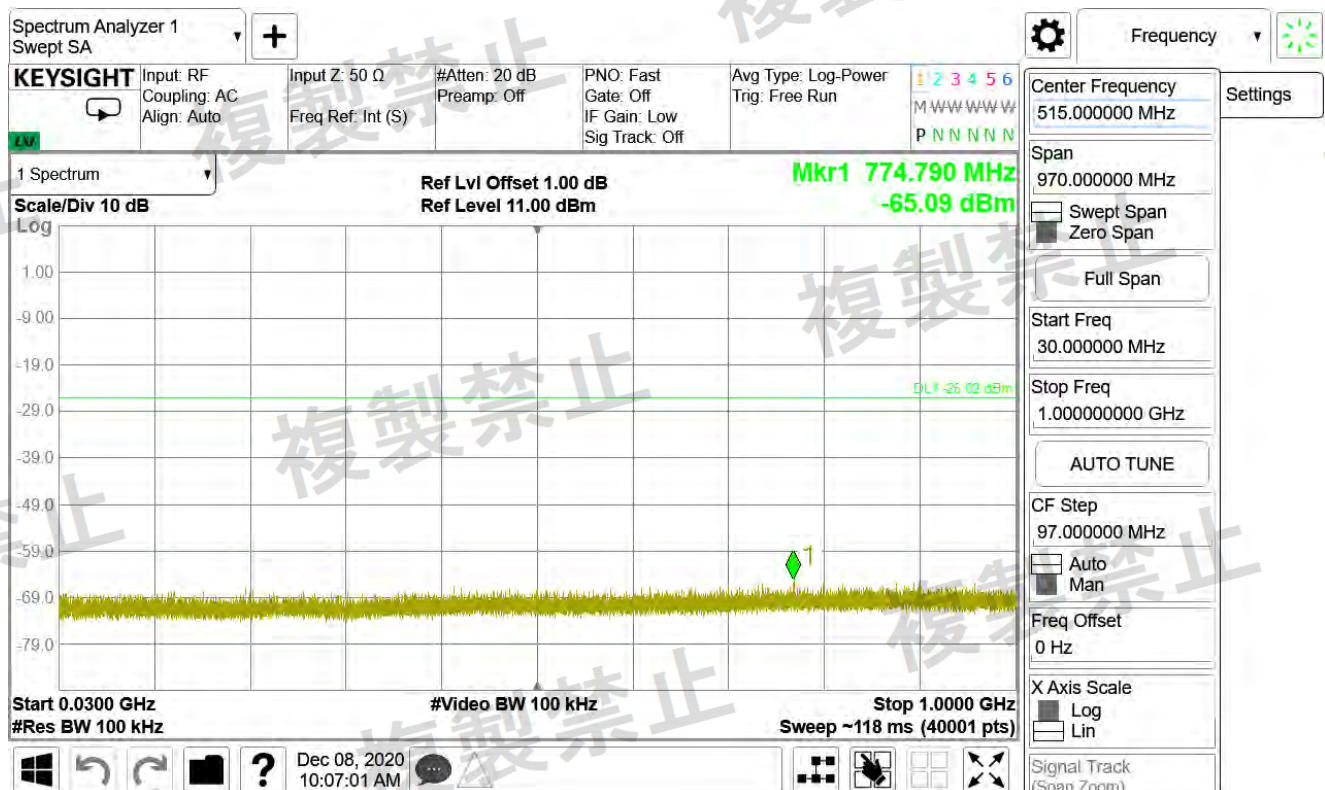


Test Result	PASS
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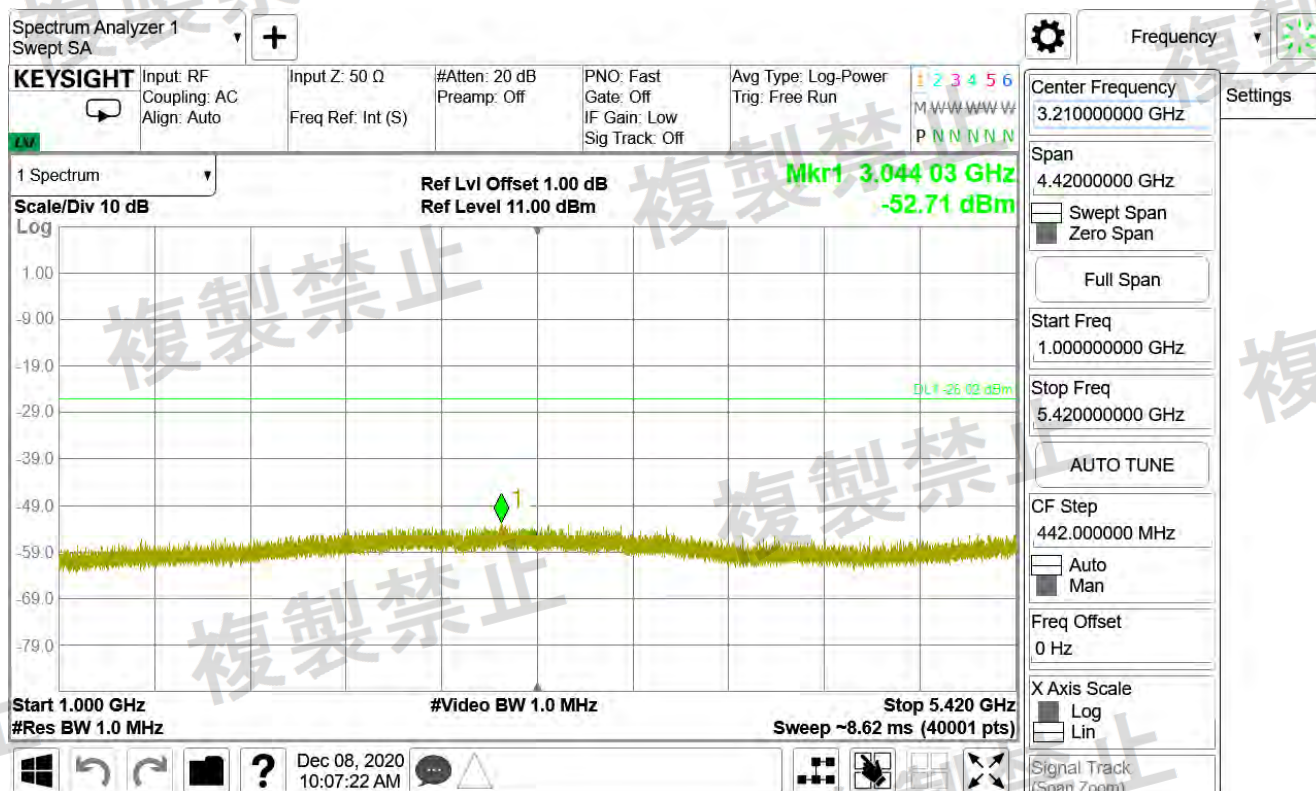
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 3: Transmit (802.11n-40BW) 5710MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 –1000	-65.09	-26 (2.5uW)
		1000– 5420	-52.71	-26 (2.5uW)
		5760– 16000	-42.64	-26 (2.5uW)
		16000 – 26000	-39.72	-26 (2.5uW)

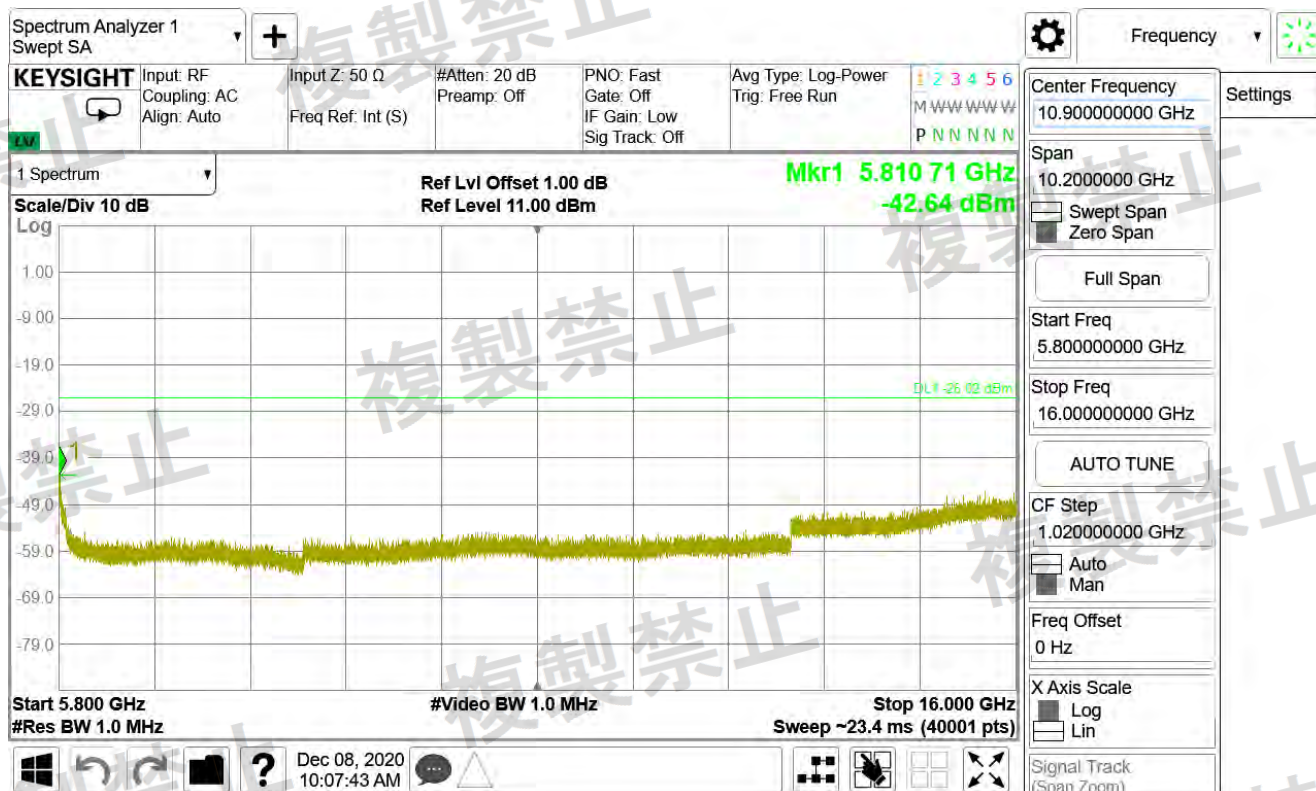
30 – 1000 MHz



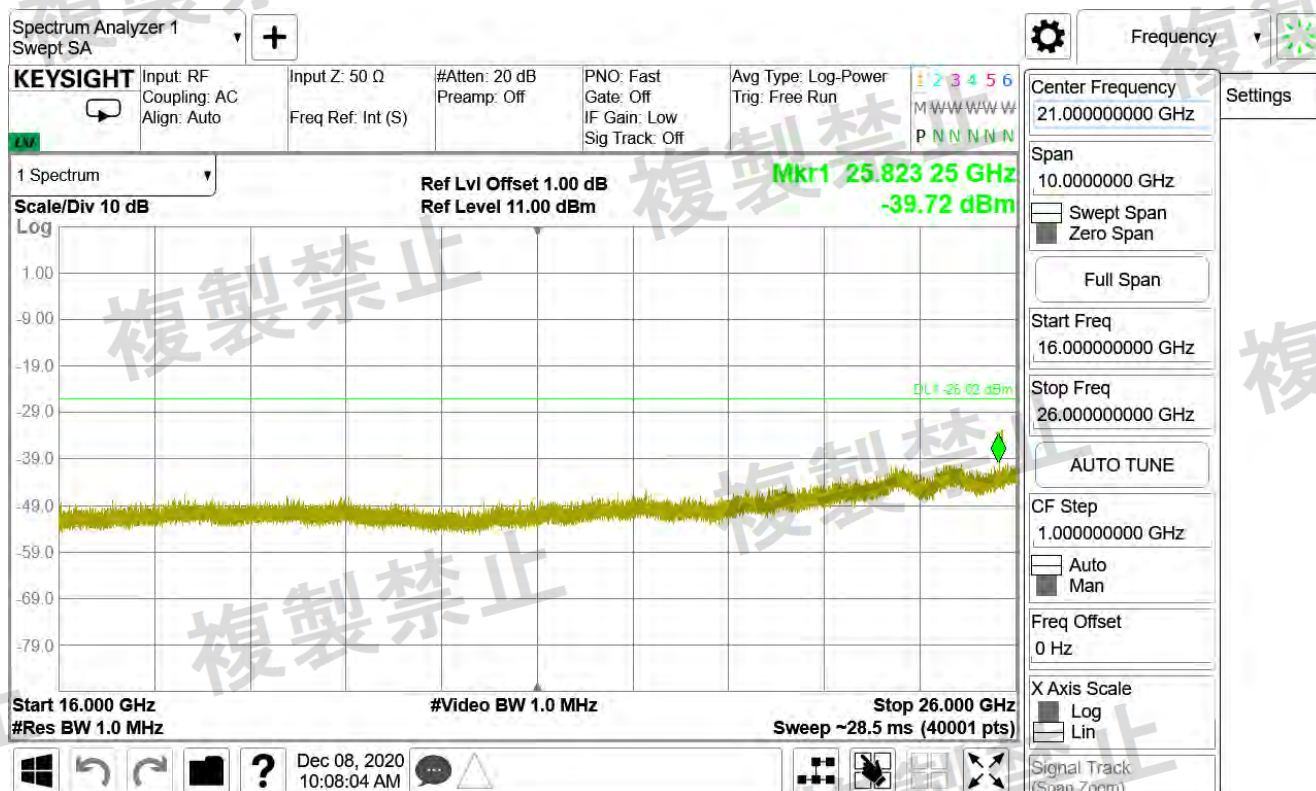
1000 – 5420MHz



5760– 16000MHz



16000 – 26000MHz



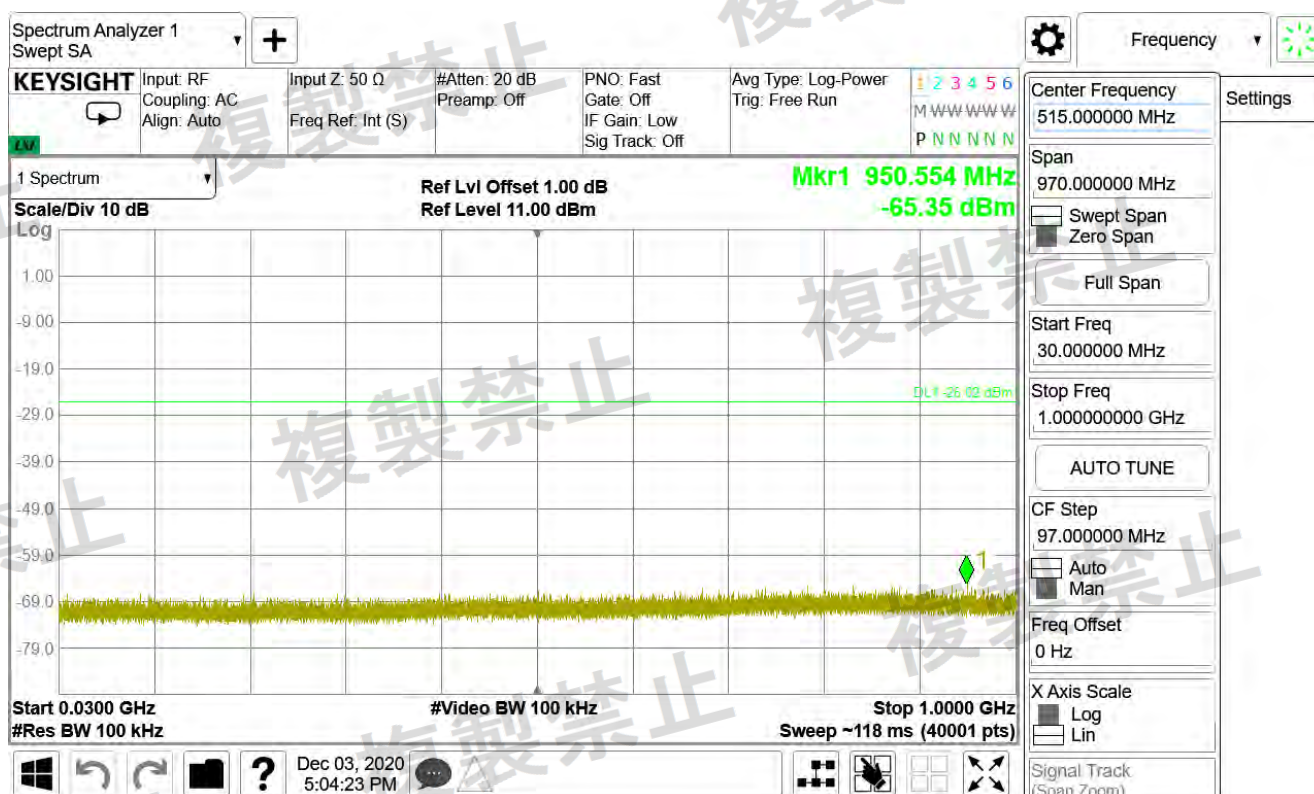
Test Result

PASS

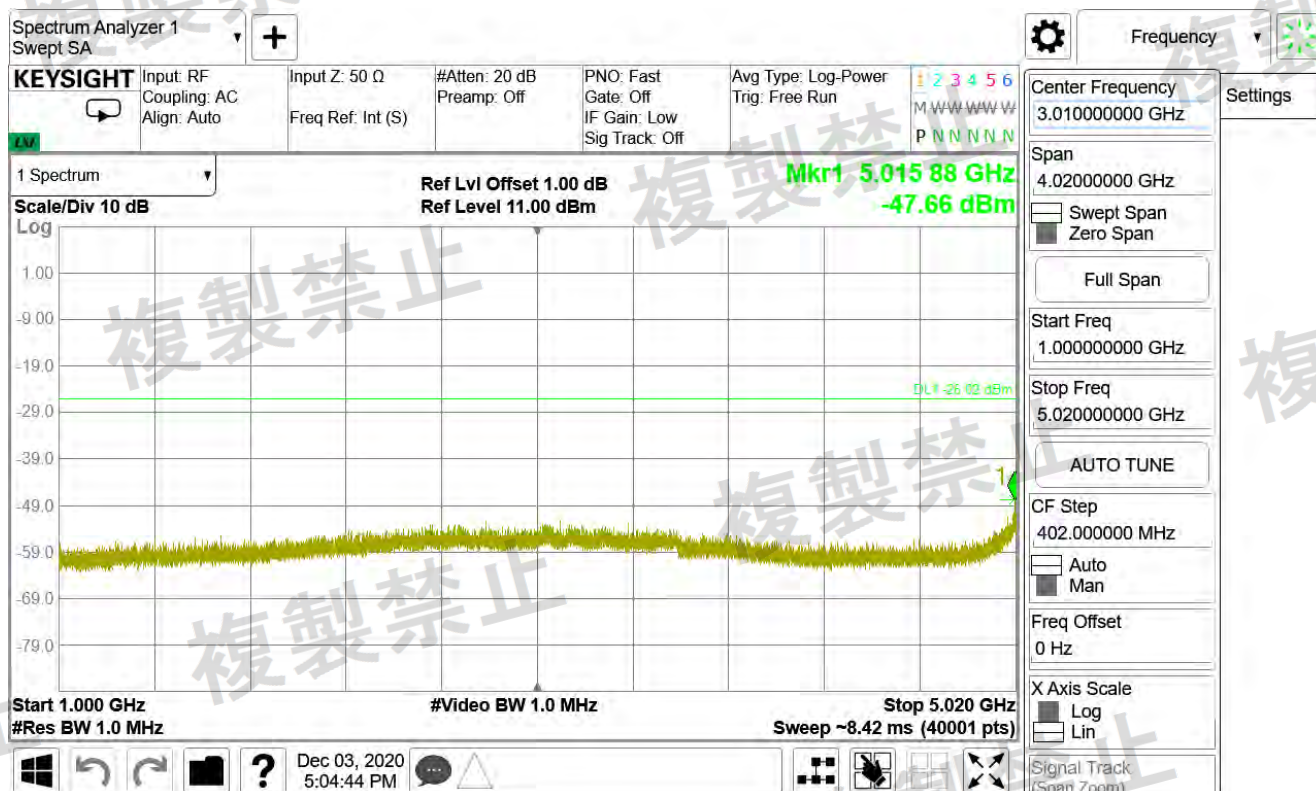
Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 4: Transmit (802.11ac-80BW) 5210MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 – 1000	-65.35	-26 (2.5uW)
		1000 – 5020	-47.66	-26 (2.5uW)
		5480– 16000	-46.57	-26 (2.5uW)
		16000 – 26000	-40.19	-26 (2.5uW)

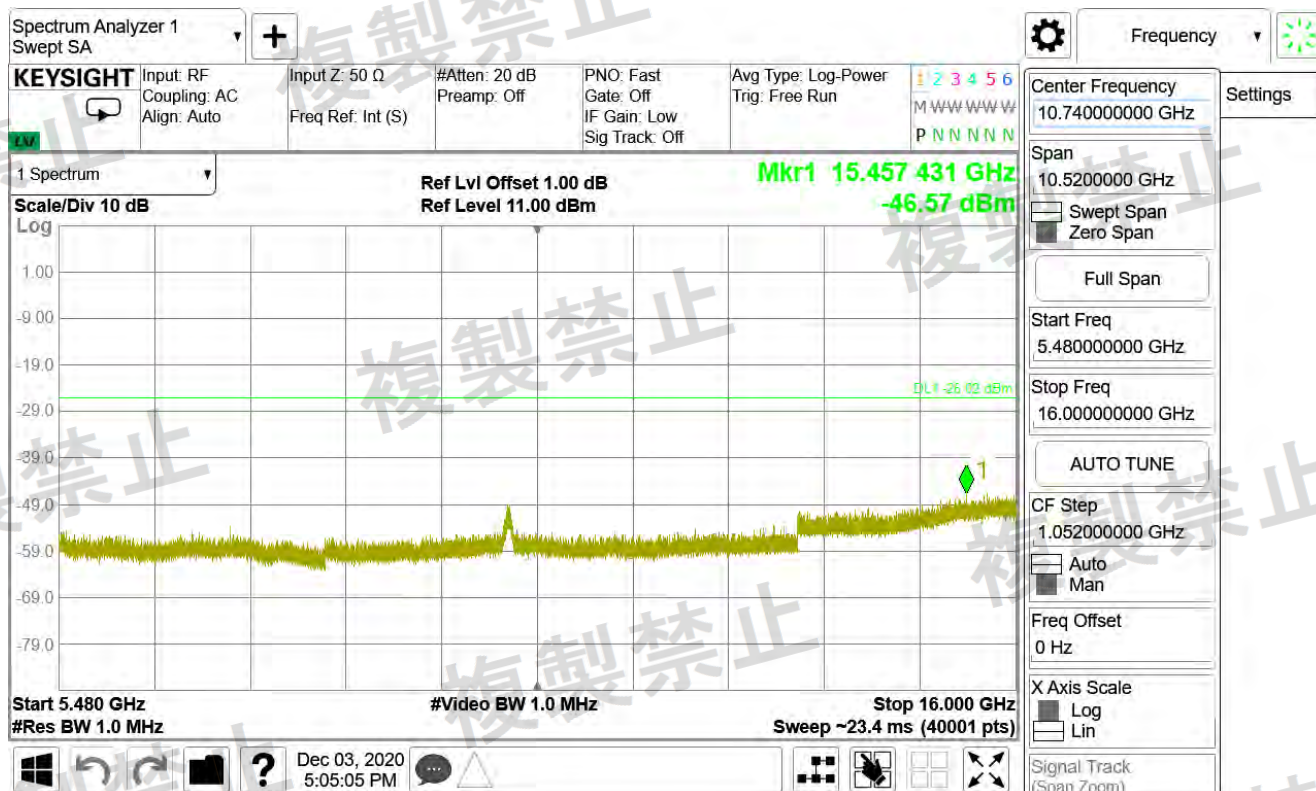
30 – 1000 MHz



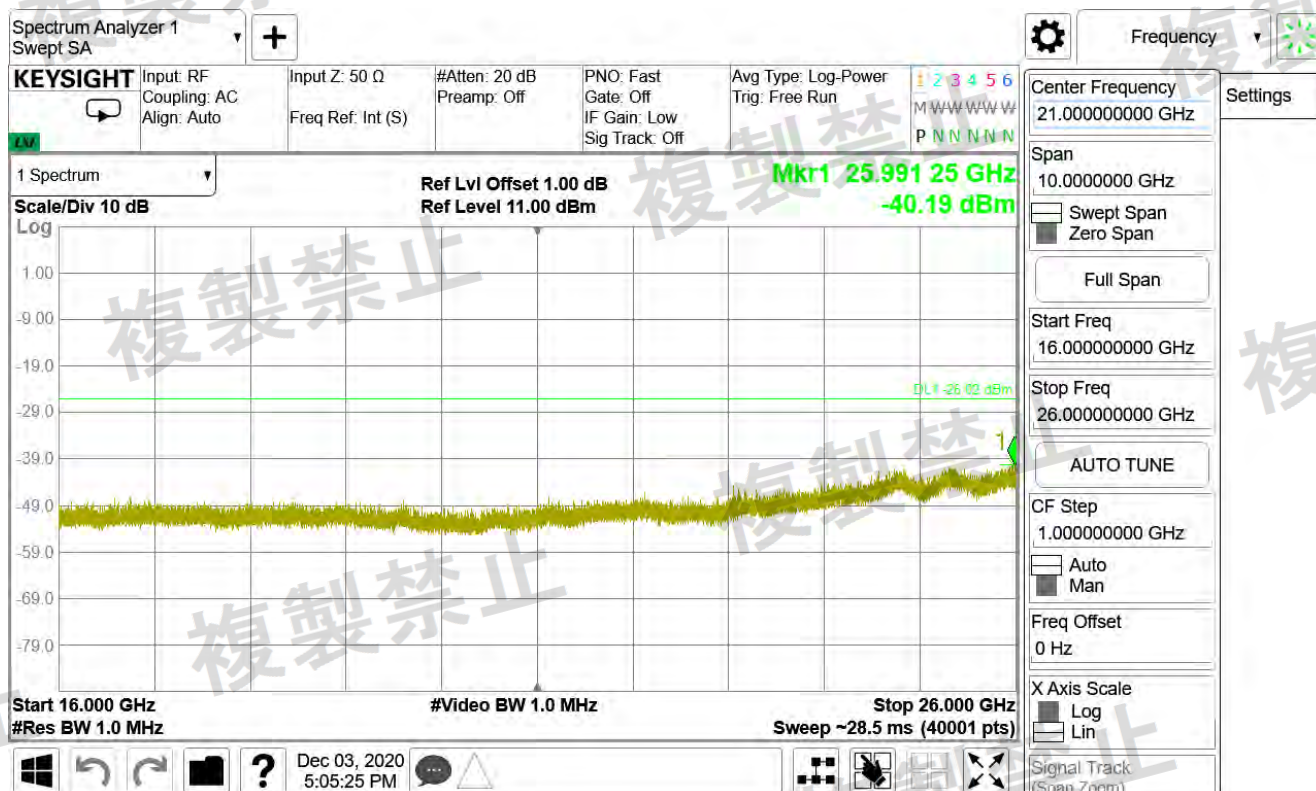
1000 – 5020MHz



5480– 16000MHz



16000 – 26000MHz



Test Result

PASS

Product : Humly Room Display One
 Test Item : Transmitter Spurious Emissions
 Test Mode : Mode 4: Transmit (802.11ac-80BW) 5290MHz_Chain B

Test Conditions		Frequency Range (MHz)	Reading Value (dBm)	Limit (dBm)
Tnom (25 °C)	Vnom (100 V)	30 – 1000	-65.39	-26 (2.5uW)
		1000 – 5020	-52.97	-26 (2.5uW)
		5480– 16000	-46.58	-26 (2.5uW)
		16000 – 26000	-40.14	-26 (2.5uW)

30 – 1000 MHz

